		DEPARTMENT	ATE OF UTAH OF NATURAL RES F OIL, GAS AND I				FOR				
APPLI	CATION FOR F	PERMIT TO DRILL	-			1. WELL NAME and Greater N	NUMBER Ionument Butte 3-16	-9-16H			
2. TYPE OF WORK DRILL NEW WELL (REENTER P&A	WELL DEEPE	N WELL			3. FIELD OR WILD	CAT MONUMENT BUTTE				
4. TYPE OF WELL Oil We	ell Coalbed	d Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME GMBU (GRRV)							
6. NAME OF OPERATOR	WFIELD PRODUCT	FION COMPANY				7. OPERATOR PHO	NE 435 646-4825				
8. ADDRESS OF OPERATOR	t 3 Box 3630 , My	ton, UT, 84052				9. OPERATOR E-MA	AIL crozier@newfield.com	<u> </u>			
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-16532	EDERAL, INDIAN, OR STATE)						ERSHIP DIAN STATE				
13. NAME OF SURFACE OWNER (if box 12	= 'fee')					14. SURFACE OWN	ER PHONE (if box :	12 = 'fee')			
15. ADDRESS OF SURFACE OWNER (if box	12 = 'fee')					16. SURFACE OWN	ER E-MAIL (if box	12 = 'fee')			
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COM MULTIPLE FORMATI YES (Submit Co			_	19. SLANT VERTICAL DI	RECTIONAL 📄 H	ORIZONTAL 📵			
20. LOCATION OF WELL	FOO	TAGES	QTR-QTR	SECTION		TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	984 FNL	1885 FWL	NENW	16		9.0 S	16.0 E	S			
Top of Uppermost Producing Zone	984 FNL	1885 FWL	NENW	16		9.0 S	16.0 E	S			
At Total Depth	100 FSL	. 150 FWL	swsw	16		9.0 S	16.0 E	S			
21. COUNTY DUCHESNE		22. DISTANCE TO N	EAREST LEASE LIN	EASE LINE (Feet) 23. NUMBER OF ACRES IN DRILLING UNIT 320							
		25. DISTANCE TO NE (Applied For Drilling		REST WELL IN SAME POOL Completed) 26. PROPOSED DEPTH							
27. ELEVATION - GROUND LEVEL		28. BOND NUMBER				29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE					
5847			B001834								
		АТ	TTACHMENTS								
VERIFY THE FOLLOWING	ARE ATTACHE	D IN ACCORDANG	CE WITH THE U	TAH OIL A	AND (GAS CONSERVAT	ION GENERAL RI	ULES			
WELL PLAT OR MAP PREPARED BY	LICENSED SURV	EYOR OR ENGINEER	COM	IPLETE DRI	ILLING	i PLAN					
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGREE	MENT (IF FEE SURF	ACE) FORI	M 5. IF OPE	RATO	R IS OTHER THAN T	HE LEASE OWNER				
DIRECTIONAL SURVEY PLAN (IF DI	г торе	OGRAPHICA	AL MAI	P							
NAME Mandie Crozier		TITLE Regulatory T	Гесһ								
SIGNATURE	EMAIL mcrozier@newfield.com										
API NUMBER ASSIGNED 43013504410000		APPROVAL			B	acylll					
					p,	ermit Manager					

API Well No: 43013504410000 Received: 10/20/2010

	Proposed Hole, Casing, and Cement											
String	Hole Size Casing Size Top (MD) Bottom (MD)											
Prod	7.875	5.5	0	10336								
Pipe	Grade	Length	Weight									
	Grade N-80 LT&C	10336	17.0									

CONFIDENTIAL

API Well No: 43013504410000 Received: 10/20/2010

	Proposed Hole, Casing, and Cement											
String	Hole Size Casing Size Top (MD) Bottom (MD)											
Surf	12.25	8.625	0	1000								
Pipe	Grade	Length	Weight									
	Grade J-55 ST&C	1000	24.0		П							
					П							

CONFIDENTIAL

NEWFIELD PRODUCTION COMPANY GREATER MONUMENT BUTTE 3-16-9-16H

SHL: NE/NW SECTION 16, T9S, R16E BHL: SW/SW SECTION 16, T9S, R16E DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM <

This well is designed as a horizontal in the Basal Carbonate formation, at the base of the Green River formation. The well will be drilled vertically to a kick off point of 5,523'. Directional tools will then be used to build to 92.28° inclination and the well will be landed in the Basal Carbonate formation. The lateral will be drilled to the proposed bottomhole location, and 5-1/2" production casing will be run to TD. An open hole packer system and sliding sleeves will be used to isolate separate frac stages in the lateral. The casing will be cemented from the top of the curve to surface with a port collar.

1. <u>GEOLOGIC SURFACE FORMATION:</u>

Uinta formation

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Green River 1,521' Target (Basal Carbonate) 6,067'

TD 5,839' TVD / 10,336' MD

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation (Oil) 3,960' – 5,839' TVD

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 300'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by State of Utah DOGM Representative at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the State of Utah DOGM Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval

Flow Rate Hardness Date Sampled Temperature

pН

Water Classification (State of Utah) Dissolved Iron (Fe) (ug/l) Dissolved Magnesium (Mg) (mg/l) Dissolved Bicarbonate (NaHCO₃) (mg/l) Dissolved Sulfate (SO₄) (mg/l) Dissolved Calcium (Ca) (mg/l)
Dissolved Sodium (Na) (mg/l)
Dissolved Carbonate (CO₃) (mg/l)
Dissolved Chloride (Cl) (mg/l)
Dissolved Total Solids (TDS) (mg/l)

4. PROPOSED CASING PROGRAM

a. Casing Design

	Interval					Davis	мw	Frac	Des	ign Factors	
Description			Weight Grade		Coup	Pore Press @		Grad			
Description	Тор	Bottom	(ppf)	Glade	Обир	Shoe	Shoe	@ Shoe	Burst	Col	Tens
Surface 8-5/8"	0	1,000'	24.0	J-55	STC	8.33	8.33	12.0	5.12	4.11	10.17
Production 5-1/2"	01	10,336'	17.0	N-80	LTC	8,3	8.5	8440)	3.98	3,14	2.33

Assumptions:

- 1) Surface casing MASP = (frac gradient + 1.0 ppg) gas gradient
- 2) Production casing MASP (production mode) = reservoir pressure gas gradient
- 3) All collapse calculations assume fully evacuated casing
- 4) Surface tension calculations assume air weight of casing
- 5) Production tension calculations assumer air weight in vertical portion of hole, plus 50,000 lbs overpull

All casing shall be new.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cement Design

lab	Hole Fill Slurry Description		ft ³	ОН	Weight	Yield	
Job	Size	Enf	Starry Description	Sacks	Excess	(ppg)	(ft3/sk)
Surface	12-1/4"	1.000'	Class G w/ 2% CaCl ₂ , 0.25	475	15%	15.8	1.17
	12-1/4	1,000	lbs/sk Cello Flake	406	1370	15,0	(3.17
Production	7-7/8"	3.960'	Premium Lite II w/ 3% KCI, 10%	789	15%	15.8	3.26
Lead	1-110	3,960	bentonite	242	1370	13.0	J.20
Production	7 7/0"	1 5021	50/50 Poz/Class G w/ 3% KCl,	311	15%	14.3	1.24
Tail	7-7/8" 1,563'		2% bentonite	251	1370	14,5	بالإ

Actual cement volumes will be calculated from open hole logs, plus 15% excess.

Production casing cement will be pumped through a port cementing collar located at the top of the curve. The lateral will be left uncemented. The lateral will be isolated with open hole packers.

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe is begun. WOC time shall be recorded in the Driller's Log. Compressive Strength shall be a minimum of 500 psi prior to drilling out.

The State of Utah DOGM Office shall be notified, with sufficient lead time, in order to have a State representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A "Sundry Notices and Reports on Wells" shall be filed with the Vernal Office Manager within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of the cementing tools used, casing test method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 2M system.

A 2000 psi WP hydraulic BOP stack consisting of two ram preventers (double or two singles) and a rotating head per **Exhibit C**. This system will be in accordance to the specifications listed in the Standard Operating Procedures for the Greater Monument Butte Green River Development Program.

Function test of the BOP equipment shall be made daily. All required BOP tests and/or drills shall be recorded in the Driller's report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to State representatives upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

From surface to 1000', an air or fresh water system will be used. From 1000' to TD, a fresh water or brine water system will be utilized. Anticipated maximum mud weight is 9.0 lbs/gal. If

necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior State of Utah DOGM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

8. TESTING, LOGGING AND CORING PROGRAMS:

a. Logging Program:

(the log types run may change at the discretion of the geologist)

FDC/CNL/GR/DIL: Top of the curve -3,960'

CBL: A cement bond log will be run from KOP to the cement top of the production casing.

A field copy will be submitted to the State of Utah DOGM Office.

b. Cores: As deemed necessary.

c. Drill Stem Tests: No DSTs are planned in the Green River.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

There is no abnormal pressure or temperature expected. Maximum anticipated bottomhole pressure will be approximately equal total true vertical depth in feet multiplied by a 0.433 psi/foot gradient.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

a. Drilling Activity

Anticipated Commencement Date: Upon approval of the site specific APD.

Drilling Days: Approximately 18 days.

Completion Days: Approximately 12 - 20 days.

b. Notification of Operations

The State of Utah DOGM office will be notified at least 24 hours **prior** to the commencement of spudding the well (to be followed with a Sundry Notice, Form 3160-5), of initiating pressure tests of the blowout preventer and related equipment, and running casing and cementing of all casing strings. Notification will be made during regular work hours (7:45 a.m.-4:30 p.m., Monday - Friday except holidays).

<u>Immediate Report</u>: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the appropriate regulations, Onshore Orders, or State policy.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in suspended status without prior approval from the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given to the State of Utah DOGM before resumption of operations.

Daily drilling and completion reports shall be submitted to the State of Utah DOGM Office on a weekly basis.

Whether the well is completed as a dry hole or a producer, the "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Authorized Officer (AO).

A completion rig will be used for completion operations after the wells are stimulated to run the production tubing. All conditions of this approved plan will be applicable during all operations conducted with the completion rig.

Operator shall report production data to the MMS pursuant to 30 CFR 216.5 using form MMS/3160. In accordance with Onshore Oil and Gas Order No. 1, a well will be reported on form 3160-6, "Monthly Report of Operations," starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the State of Utah DOGM Office.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever occurs first; and for gas wells, as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated, or the date on which gas is measured through permanent metering facilities, whichever occurs first.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by written communication not later than 5 days following the date when the well is placed on production.

Pursuant to Onshore Order No. 7, with the approval of the AO, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During this period, an application for approval of the permanent disposal method must be submitted to the AO.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during the initial well evaluation tests, not to exceed 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the AO and approval received for any venting/flaring of gas beyond the initial 30 days or authorized test period.

A schematic facilities diagram, as required by 43 CFR 3162.7-5(b.9.d), shall be submitted to the State of Utah DOGM Office within 60 days of installation or first production, whichever occurs first. All site security regulations, as specified in Onshore Oil & Gas Order No. 3, shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5(b.4).

Well abandonment operations shall not be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment", Form 3160-5, will be filed with the Authorized Officer within 30 days following completion of the well for abandonment. This report will indicate placement of the plugs and current status of the surface restoration. Final Abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO, or the appropriate surface managing agency.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with the State and local laws, to the extent to which they are applicable, to operations on Federal or Indian lands.

T9S, R16E, S.L.B.&M. N89'50'W - 80.24 (G.L.O.) S89'05'25"W - 2640.03' (Meas.) S89°29'11"W - 2652.85' (Meas.) DRILLING Yellow PC 1910 1910 WINDOW on 5/8" Rebar Brass Cap Brass Cap (Meas., See Detail At Right 1885 2639. of Hole Proposed Well Head VOO'49'22"W NO0'56'43" DetailNo Scale N0.03'W (G.L.O.) 1910 Brass Cap 16 Brass Cap WELL LOCATION: 3-16-9-16H 2647.44" ELEV. UNGRADED GROUND = 5846.7' NO1-07'40"W N.00,15.00N Bottom 1910 of Hole Brass Cap Rebar 1910 Brass S89°07'44"W (Basis of Bearings) S89°06'44"W - 2655.30' (Meas.) N89'52'W - 80.20 (G.L.O.) 2655.82' (Measured) = SECTION CORNERS LOCATED 3-16-9-16H BASIS OF ELEV; Elevations are base on (Surface Location) NAD 83 $LATITUDE = 40^{\circ} 02' 07.41"$ LOCATION: an N.G.S. OPUS Correction. LAT. 40°04'09.56" LONG. 110°00'43.28" LONGITUDE = 110° 07' 37.30" (Tristate Aluminum Cap) Elev. 5281.57'

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 3-16-9-16H, LOCATED AS SHOWN IN THE NE 1/4 NW 1/4 OF SECTION 16, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

TARGET BOTTOM HOLE, 3-16-9-16H, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 16, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.



Note:

1. The bottom of hole footages are 100' FSL & 150' FWL.

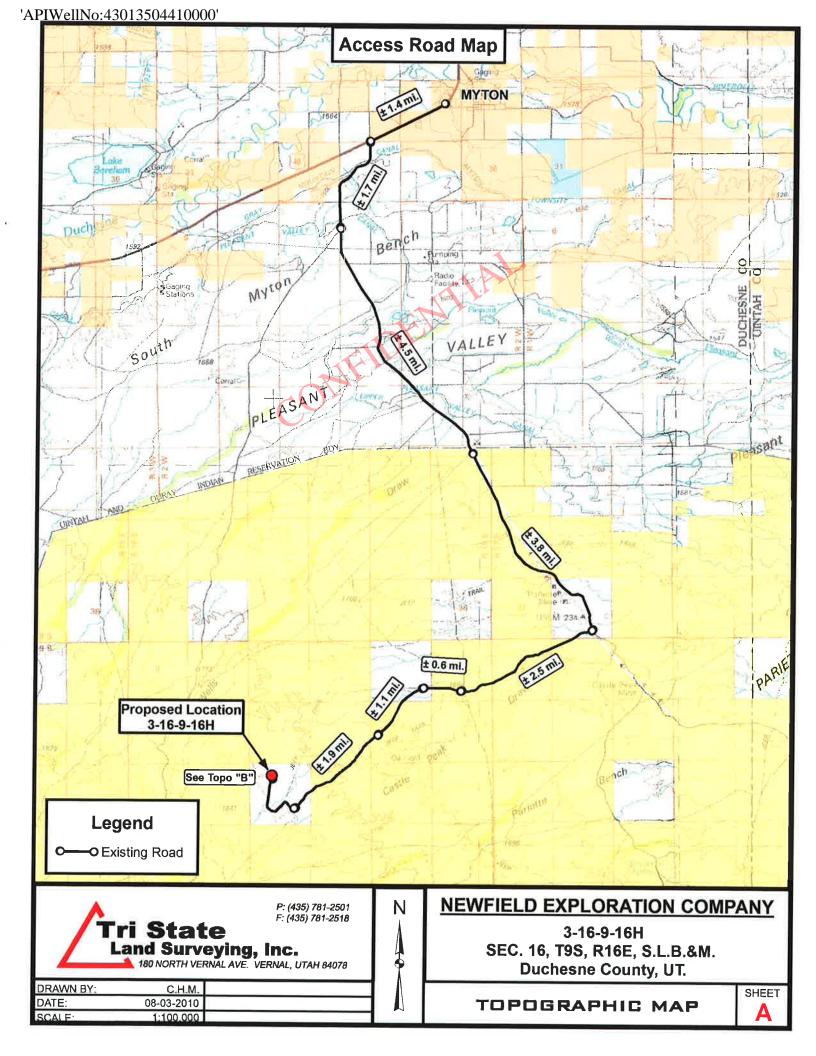
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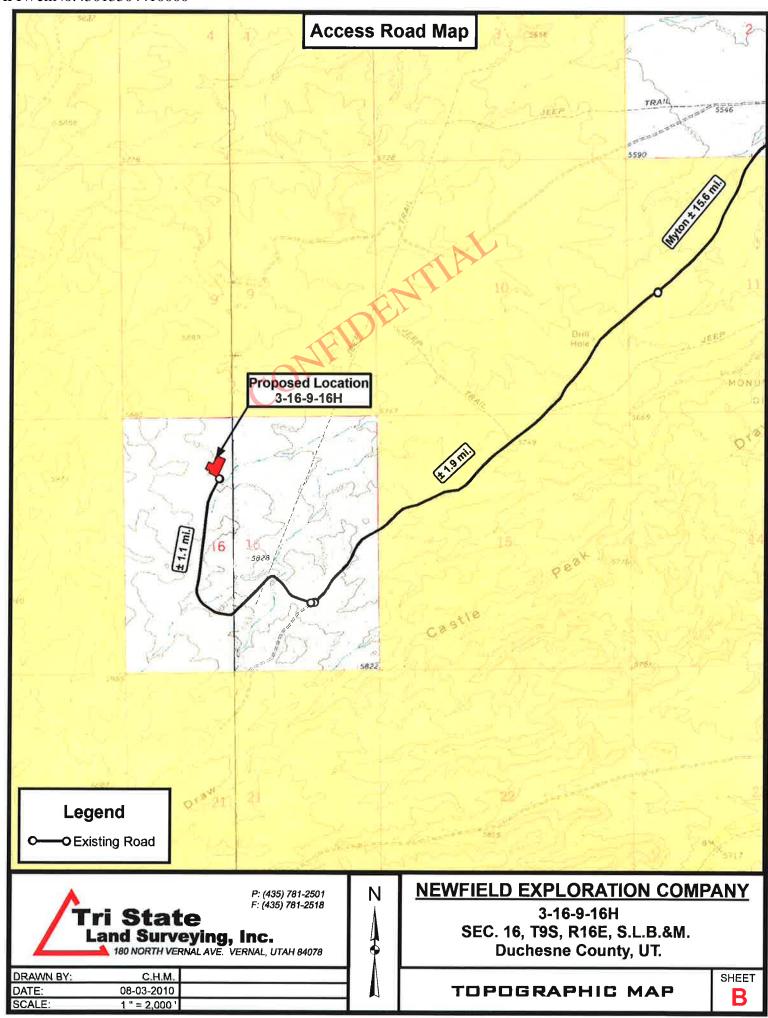
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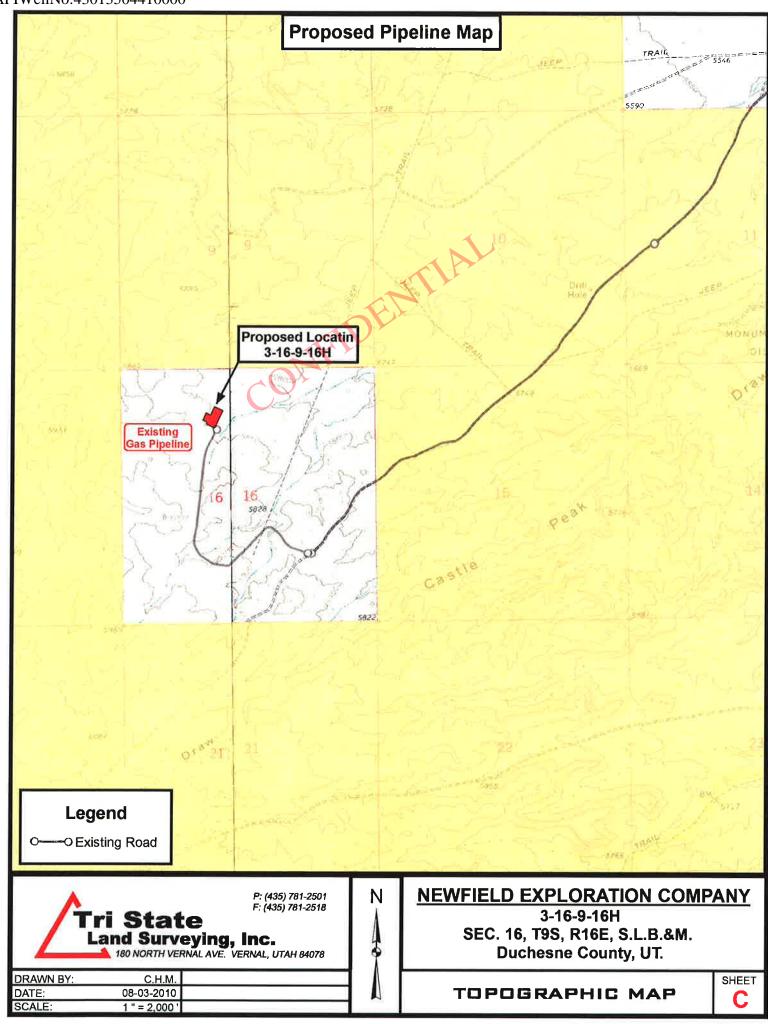
TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078 (435) 781-2501

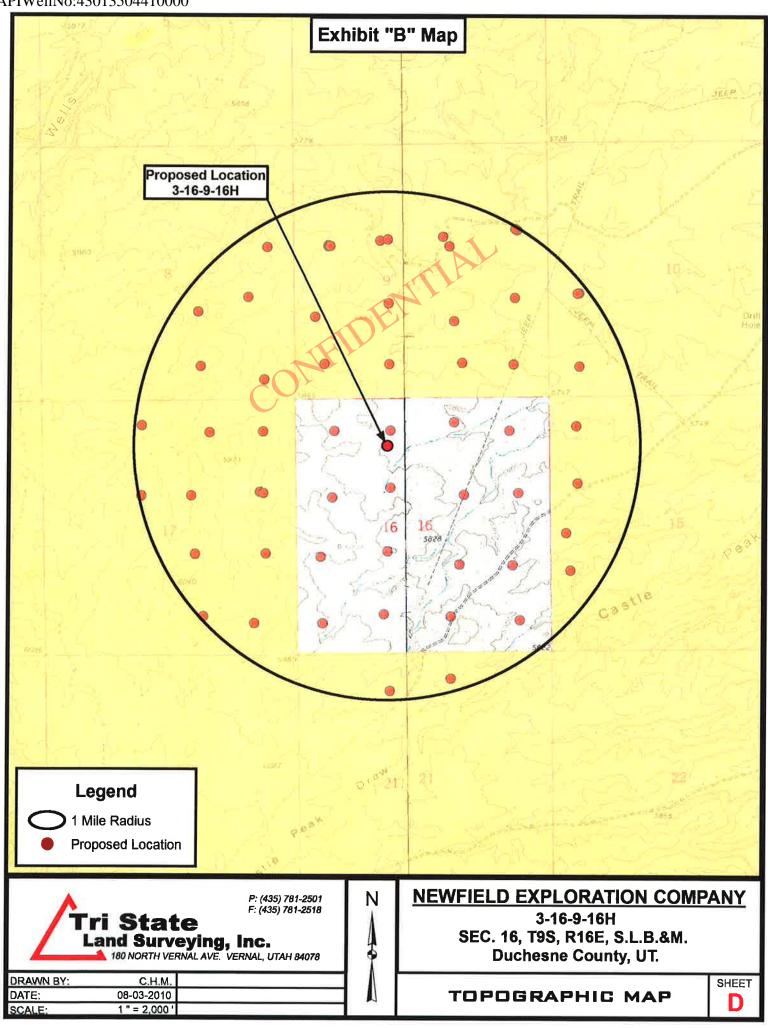
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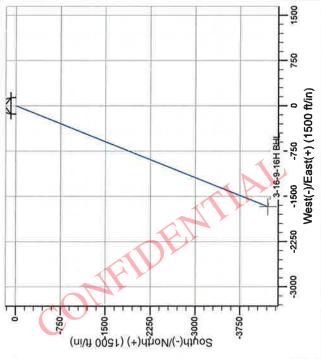


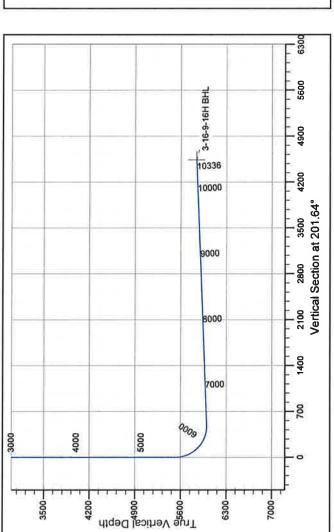
Newfield Production Company

Project: Monument Butte Site: GMB 3-16-9-16H Well: GMB 3-16-9-16H

Wellbore: Wellbore #1 Design: Design #1

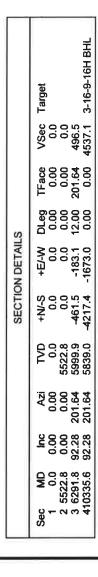






PROJECT DETAILS: Monument Butte
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level



Created by: Hans Wychgram

Date: 10-13-10

Newfield Production Company

Monument Butte GMB 3-16-9-16H GMB 3-16-9-16H

Wellbore #1

Plan: Design #1

Standard Planning Report

13 October, 2010

Planning Report

Database: Company: EDM 2003.21 Single User Db Newfield Production Company Local Co-ordinate Reference: TVD Reference:

Well GMB 3-16-9-16H RKB @ 5857.0ft (NDSI #1)

Project: Site:

Well:

Monument Butte GMB 3-16-9-16H GMB 3-16-9-16H Wellbore #1

MD Reference: North Reference: RKB @ 5857.0ft (NDSI #1) True

Survey Calculation Method:

Minimum Curvature

Design: Project

Wellbore:

Monument Butte

Design #1

Map System: Geo Datum:

US State Plane 1983 North American Datum 1983 System Datum:

Mean Sea Level

Map Zone:

Utah Central Zone

Site

GMB 3-16-9-16H

Site Position: From:

Well Position

Lat/Long

Northing: Easting:

2,189,859.96_m 617,167,10m

Latitude: Longitude:

40° 2' 7.410 N 110° 7' 37.300 W

Position Uncertainty:

0.0 ft

Slot Radius

Grid Convergence:

0.88°

Well

GMB 3-16-9-16H

+N/-S

0.0 ft +E/-W

Northing: Easting:

2,189,859.96 m 617,167.10 m Latitude: Longitude:

40° 2' 7.410 N 110° 7' 37.300 W

52,429

Position Uncertainty

0.0 ft 0.0 ft

Wellhead Elevation:

Ground Level:

5,847.0ft

Wellbore

Wellbore #1

Magnetics

Model Name

IGRF200510

Sample Date

12/31/2009

Declination (°) 11.51

Dip Angle (°) 65.82 Field Strength (nT)

Design

Design #1

Audit Notes:

Version:

Phase:

PROTOTYPE

Tie On Depth:

0.0

Vertical Section:

Depth From (TVD) (ft)

0.0

+N/-S (ft) 0.0

+E/-W (ft) 0.0

Direction (°) 201.64

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
5,522.8	0.00	0.00	5,522.8	0.0	0.0	0.00	0.00	0.00	0.00	
6,291.8	92.28	201.64	5,999.9	-461.5	-183.1	12.00	12.00	0.00	201.64	
10,335.6	92.28	201.64	5,839.0	-4.217.4	-1.673.0	0.00	0.00	0.00	0.00 3-	16-9-16H B

Planning Report

Database: Company: Project:

Site:

EDM 2003.21 Single User Db Newfield Production Company

Monument Butte
GMB 3-16-9-16H
GMB 3-16-9-16H

Well: GMB 3-16-9
Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GMB 3-16-9-16H

RKB @ 5857.0ft (NDSI #1) RKB @ 5857.0ft (NDSI #1)

True

Minimum Curvature

ign:	Design #1								
nned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0 1,100.0	0.00 0.00	0.00	1,000.0 1,100.0	0.0	0.0	0,0	0.00	0.00	0.00
1,100.0	0.00			0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00 0.00	1,200.0 1,300.0	0.0 0.0	0.0	0.0	0.00	0.00 0.00	0.00
1,400.0	0.00	0.00	1,300.0	0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00	0.00 0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0 3,600.0	0.00 0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00 0.00	3,600.0 3,700.0	0.0 0.0	0.0 0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00 0.00	0.00 0.00	0.00 0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00

Planning Report

Database: Company: EDM 2003.21 Single User Db Newfield Production Company

Project: Site: Well:

Monument Butte GMB 3-16-9-16H GMB 3-16-9-16H

Wellbore: Wellbore #1
Design: Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GMB 3-16-9-16H RKB @ 5857.0ft (NDSI #1)

RKB @ 5857.0ft (NDSI #1) RKB @ 5857.0ft (NDSI #1)

True

Minimum Curvature

lanned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,522.8	0.00	0.00	5,522.8	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	9.27	201.64	5,599.7	-5.8	-2.3	6.2	12.00	12.00	0.00
5,700.0	21.27	201.64	5,696.0	-30.2	-12.0	32.5	12.00	12.00	0.00
5,800.0	33.27	201.64	5,784.7	-72.7	-28.8	78.2	12.00	12.00	0.00
5,900.0	45.27	201.64	5,862.0	-131.4	-52.1	141.4	12.00	12.00	0.00
6,000.0	57.27	201.64	5,924.4	-203.8	-80.9	219.3	12.00	12.00	0.00
6,100.0	69.27	201.64	5,969.3	-286.7	-113.7	308.4	12.00	12.00	0.00
6,200.0	81.27	201.64	5,994.7	-376.4	-149.3	405.0	12.00	12.00	0.00
6,291.8	92.28	201.64	5,999.9	-461.5	-183.1	496.5	12.00	12.00	0.00
6,300.0	92.28	201.64	5,999,5	-469.1	-186.1	504.7	0.00	0.00	0.00
6,400.0	92.28	201.64	5,995,6	-562.0	-222.9	604.6	0.00	0.00	0.00
6,500.0	92.28	201.64	5,991,6	-654.9	-259.8	704.5	0.00	0.00	0.00
6,600.0	92.28	201.64	5,987,6	-747.7	-296.6	804.4	0.00	0.00	0.00
6,700.0	92.28	201.64	5,983,6	-840.6	-333.5	904.3	0.00	0.00	0.00
6,800.0	92.28	201.64	5,979.7	-933.5	-370.3	1,004.3	0.00	0.00	0.00
6,900.0	92.28	201.64	5,975.7	-1,026.4	-407.2	1,104.2	0.00	0.00	0.00
7,000.0	92.28	201.64	5,971.7	-1,119.3	-444.0	1,204.1	0.00	0.00	0.00
7,100.0	92.28	201.64	5,967.7	-1,212.1	-480.8	1,304.0	0.00	0.00	0.00
7,200.0	92.28	201.64	5,963.7	-1,305.0	-517.7	1,404.0	0.00	0.00	0.00
7,300.0	92.28	201.64	5,959.8	-1,397.9	-554.5	1,503.9	0.00	0.00	0.00
7,400.0	92.28	201.64	5,955.8	-1,490.8	-591.4	1,603.8	0.00	0.00	0.00
7,500.0	92.28	201.64	5,951.8	-1,583.7	-628.2	1,703.7	0.00	0.00	0.00
7,600.0	92.28	201.64	5,947.8	-1,676.5	-665.1	1,803.6	0.00	0.00	0.00
7,700.0	92.28	201.64	5,943.9	-1,769.4	-701.9	1,903.6	0.00	0.00	0.00
7,800.0	92.28	201.64	5,939.9	-1,862.3	-738.8	2,003.5	0.00	0.00	0.00
7,900.0	92.28	201.64	5,935.9	-1,955.2	-775.6	2,103.4	0.00	0.00	0.00
8,000.0	92.28	201.64	5,931.9	-2,048.1	-812.5	2,203.3	0.00	0.00	0.00
8,100.0	92.28	201.64	5,927.9	-2,140.9	-849.3	2,303.2	0.00	0.00	0.00
8,200.0	92.28	201.64	5,924.0	-2,233.8	-886.1	2,403.2	0.00	0.00	0.00
8,300.0	92.28	201.64	5,920.0	-2,326.7	-923.0	2,503.1	0.00	0.00	0.00
8,400.0	92.28	201.64	5,916.0	-2,419.6	-959.8	2,603.0	0.00	0.00	0.00
8,500.0	92.28	201.64	5,912.0	-2,512.5	-996.7	2,702.9	0.00	0.00	0.00
8,600.0	92.28	201.64	5,908.0	-2,605.3	-1,033.5	2,802.8	0.00	0.00	0.00
8,700.0	92.28	201.64	5,904.1	-2,698.2	-1,070.4	2,902.8	0.00	0.00	0.00
8,800.0	92.28	201.64	5,900.1	-2,791.1	-1,107.2	3,002.7	0.00	0.00	0.00
8,900.0	92.28	201.64	5,896.1	-2,884.0	-1,144.1	3,102.6	0.00	0.00	0.00
9,000.0	92.28	201.64	5,892.1	-2,976.9	-1,180.9	3,202.5	0.00	0.00	0.00
9,100.0	92.28	201.64	5,888.2	-3,069.7	-1,217.7	3,302.4	0.00	0.00	0.00
9,200.0	92.28	201.64	5,884.2	-3,162.6	-1,254.6	3,402.4	0.00	0.00	0.00
9,300.0	92.28	201.64	5,880.2	-3,255.5	-1,291.4	3,502.3	0.00	0,00	0.00
9,400.0	92.28	201.64	5,876.2	-3,348.4	-1,328.3	3,602.2	0.00	0,00	0.00
9,500.0	92.28	201.64	5,872.2	-3,441.2	-1,365.1	3,702.1	0.00	0,00	0.00
9,600.0	92.28	201.64	5,868.3	-3,534.1	-1,402.0	3,802.1	0.00	0,00	0.00
9,700.0	92.28	201.64	5,864,3	-3,627.0	-1,438.8	3,902.0	0.00	0,00	0.00
9,800.0	92.28	201.64	5,860.3	-3,719.9	-1,475.7	4,001.9	0.00	0.00	0.00
9,900.0	92.28	201.64	5,856.3	-3,812.8	-1,512.5	4,101.8	0.00	0.00	0.00
10,000.0	92.28	201.64	5,852.4	-3,905.6	-1,549.4	4,201.7	0.00	0.00	0.00
10,100.0	92.28	201.64	5,848.4	-3,998.5	-1,586.2	4,301.7	0.00	0.00	0.00
10,200.0	92.28	201.64	5,844.4	-4,091.4	-1,623.0	4,401.6	0.00	0.00	0.00
10,300.0	92.28	201.64	5,840.4	-4,184.3	-1,659.9	4,501.5	0.00	0.00	0.00
10,335.6	92.28	201.64	5,839.0	-4,217.4	-1,673.0	4,537.1	0.00		0.00

Planning Report

Database: Company: Project:

Site:

EDM 2003.21 Single User Db

Newfield Production Company Monument Butte GMB 3-16-9-16H GMB 3-16-9-16H

Well: Wellbore #1 Wellbore: Design #1 Design:

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well GMB 3-16-9-16H

RKB @ 5857.0ft (NDSI #1) RKB @ 5857.0ft (NDSI #1)

Minimum Curvature

Planned Survey

Measured Depth (ft)

Inclination **Azimuth** (°) (°) 3-16-9-16H BHL

Vertical Depth (ft)

+N/-S (ft)

CONFIDE

+E/-W (ft)

Vertical Section (ft)

Dogleg Rate (°/100ft)

Build Rate (°/100ft)

Turn Rate (°/100ft)

NEWFIELD PRODUCTION COMPANY GREATER MONUMENT BUTTE 3-16-9-16H AT SURFACE: NE/NW SECTION 16, T9S, R16E DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Greater Monument Butte 3-16-9-16H located in the NE¹/₄ NW¹/₄ Section 16, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles \pm to the junction of this highway and UT State Hwy 53; proceed southeasterly -10.0 miles \pm to it's junction with an existing road to the southwest; proceed southwesterly -6.1 miles \pm to it's junction with an existing road to the northwest; proceed in a northwesterly direction -1.1 miles \pm to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. PLANNED ACCESS ROAD

No access is road is proposed for the Greater Monument Butte 3-16-9-16H. See attached **Topographic Map "B"**.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

3. LOCATION OF EXISTING WELLS

Refer to EXHIBIT B.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Ten Point Well Program & Thirteen Point Well Program Page 2 of 5

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District Water Right: 43-7478

Neil Moon Pond Water Right: 43-11787

Maurice Harvey Pond Water Right: 47-1358

Newfield Collector Well

Water Right: 41-3530 (A30414DV, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. METHODS FOR HANDLING WASTE DISPOSAL

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte,

Ten Point Well Program & Thirteen Point Well Program Page 3 of 5

Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE:

a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) Dry Hole Abandoned Location

Ten Point Well Program & Thirteen Point Well Program Page 4 of 5

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** State of Utah.

12. OTHER ADDITIONAL INFORMATION:

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM office.

The Archaeological Resource Survey will be forthcoming. The Paleontological Resource Survey for this area is attached. Paleontological Resource Survey prepared by, Wade E. Miller, 9/6/10. See attached report cover page, Exhibit "D".

- a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.
- b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.
- c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Greater Monument Butte 3-16-9-16H, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Greater Monument Butte 3-16-9-16H Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

'APIWellNo:43013504410000'

Ten Point Well Program & Thirteen Point Well Program Page 5 of 5

> Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:

Representative

Name:

Tim Eaton

Address:

Newfield Production Company

Route 3, Box 3630 Myton, UT 84052

Telephone:

(435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #3-16-9-16H, NE/NW Section 16, T9S, R16E, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

10/20/10 Date

Mandié Crozier

Regulatory Specialist

Newfield Production Company

2-M SYSTEM

Blowout Prevention Equipment Systems

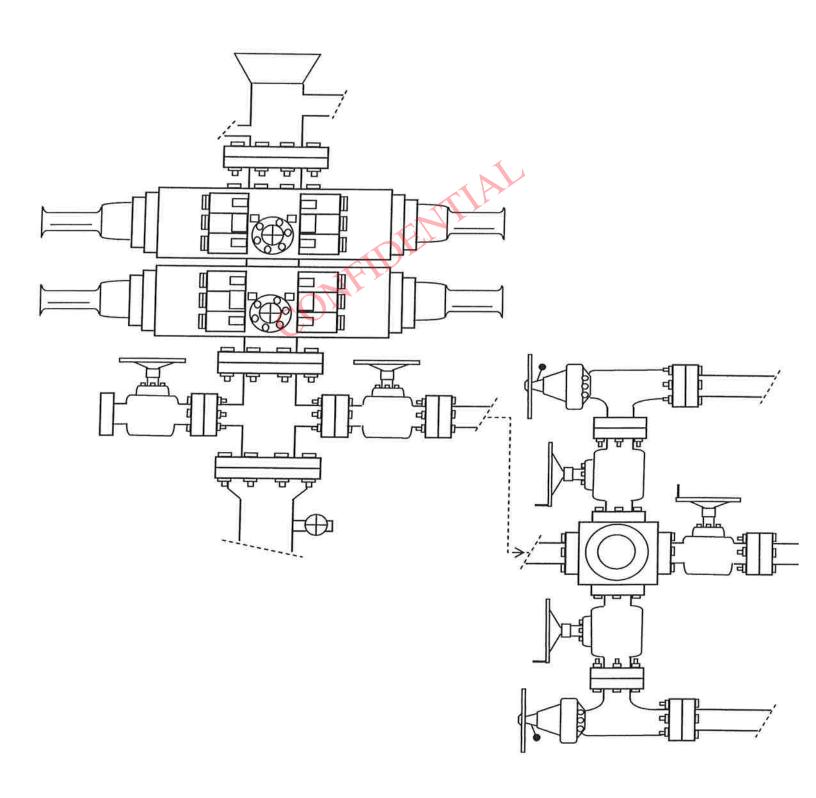


EXHIBIT C

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

October 22, 2010

Memorandum

Assistant District Manager Minerals, Vernal District To:

Michael Coulthard, Petroleum Engineer From:

2010 Plan of Development Greater Monument

Butte Unit, Duchesne and Uintah Counties,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal wells are planned for calendar year 2010 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#	WELL NAME	LOCATION

43-013-50440 GMBU 3-2-9-16H Sec 02 T09S R16E 0941 FNL 1774 FWL Lateral 1 Sec 02 T09S R16E 0250 FSL 0075 FWL 43-013-50441 GMBU 3-16-9-16H Sec 16 T09S R16E 0984 FNL 1885 FWL Lateral 1 Sec 16 T09S R16E 0100 FSL 0150 FWL 43-013-50442 GMBU 15-16-9-16H Sec 16 T09S R16E 0926 FSL 1757 FEL Lateral 1 Sec 16 T09S R16E 0150 FNL 0450 FEL 43-013-50443 GMBU 15-32-8-16H Sec 32 T08S R16E 0534 FSL 2305 FEL Lateral 1 Sec 32 T08S R16E 0200 FNL 0200 FEL 43-013-50444 GMBU 3-36-8-16H Sec 36 T08S R16E 0356 FNL 2040 FWL Lateral 1 Sec 36 T08S R16E 0300 FSL 0100 FWL

This office has no objection to permitting the wells at this time.

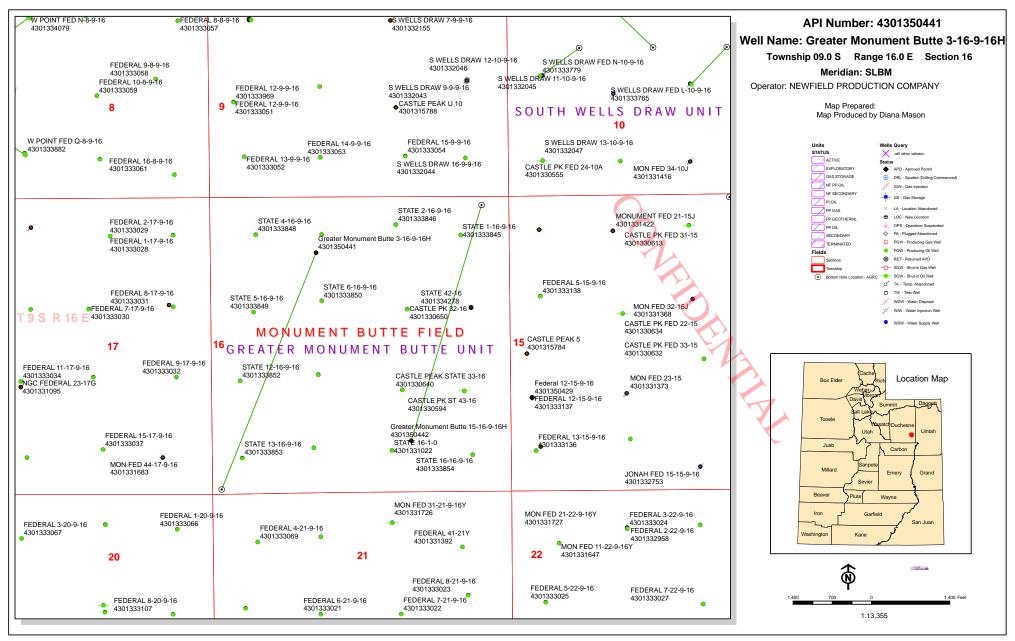
Michael L. Coulthard

Digitally signed by Michael L. Coulthard

Discra-Michael L. Coulthard, DeBurgau of Land Management, ou=Branch of Minerals, email=Michael Coulthard@blm.gov, c=US
Date: 2010.10.22 10:15:16-0600

bcc: File - Greater Monument Butte Unit Division of Oil Gas and Mining Central Files Agr. Sec. Chron Fluid Chron

MCoulthard:mc:10-22-10



From: Jim Davis

To: Bonner, Ed; Hill, Brad; Mason, Diana

CC: Garrison, LaVonne **Date:** 11/10/2010 5:20 PM

Subject: Newfield approvals (4) one with an arc stip

The following wells have been approved by SITLA including arch and paleo clearance- with one well having an arch stip as a C.O.A.

Newfield's Greater Monument Butte 15-6-9-16H [API #4301350442] (U-10-MQ-0653s)

Newfield's Greater Monument Butte 3-2-9-16H [API #4301350440] (U-10-MQ-0652s)

Newfield's Greater Monument Butte 3-16-9-16H [API #4301350441] (U-07-MQ-1297s)

Newfield's Greater Monument Butte 3-36-8-16H [API 3430150444] (U-10-MQ-0654b,s; 1 eligible site, 42Dc909, adjacent to well pad which must be avoided as a condition of the approval of this APD.

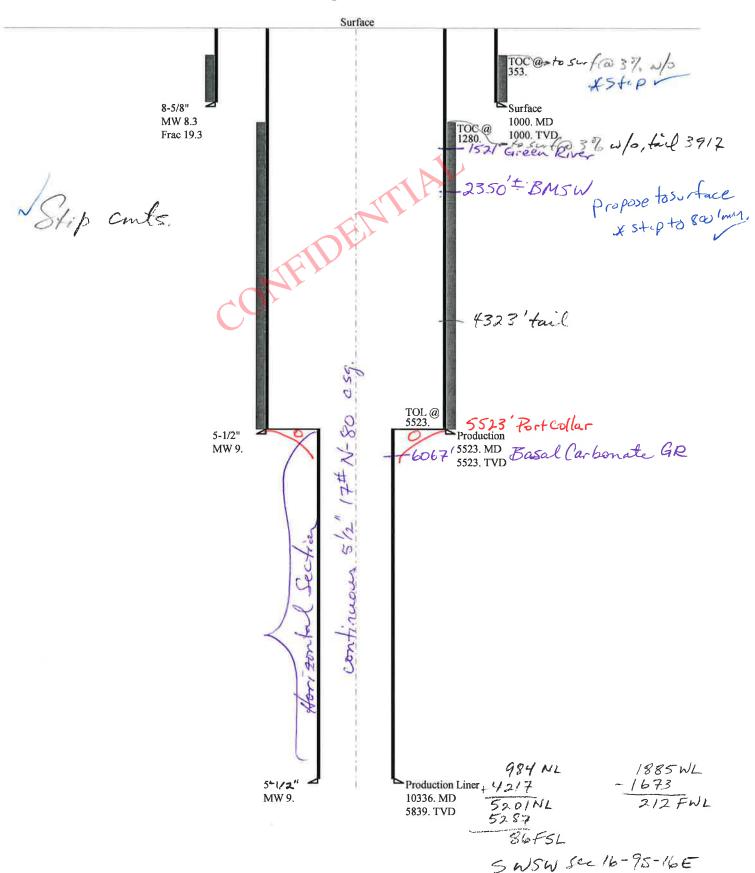
-Jim Davis

Jim Davis Utah Trust Lands Administration jimdavis1@utah.gov Phone: (801) 538-5156

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Monument Butte 3-16-9-16H 43013504410000

Well Name		NEWFIELD PRO	DUCTION COMP	ANY	Greater Monument	Butte 3-16-9-16
String		Surf	Prod	i		
Casing Size(")		8.625	5.500			
Setting Depth (TVD)		1000	6067			
Previous Shoe Setting Dept	th (TVD)	40	1000			
Max Mud Weight (ppg)		8.3	9.0			
BOPE Proposed (psi)		500	2000			
Casing Internal Yield (psi)		2950	7740			
Operators Max Anticipate	d Pressure (psi)	2511	8.0	i		
		,	18			
Calculations	Sui	rf String			8.62	
Max BHP (psi)		.052*Setti	ing Depth*N	ЛW	/= 432	NORTH A F P III A 16 41 G I A 19 41
MACD (C) ()		DUD (0.128	kC -44: D	414		BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)		ax BHP-(0.12*		V		YES air drill or freshwater mud system
MASP (Gas/Mud) (psi)	Ma	ax BHP-(0.22*	Setting Dep	oth)	212	YES OK
Pressure At Previous Shoe	May RHD 22*(Satting I	anth Praying	us Shoa Dar	ath))— [*Can Full Expected Pressure Be Held At Previous Shoe?
Required Casing/BOPE To		ocpui - 1 icvio	us shoc Dep	Juii)	-	NO OK
		10/		_	1000	psi
*Max Pressure Allowed @	Frevious Casing Shoe-			_	40	psi *Assumes 1psi/ft frac gradient
Calculations	Pro	d String			5.500	"
Max BHP (psi)		.052*Setti	ing Depth*N	ЛW	/= 2839	
						BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)	Ma	ax BHP-(0.12*	Setting Dep	oth))= 2111	NO
MASP (Gas/Mud) (psi)	Ma	ax BHP-(0.22*	Setting Dep	oth))= ₁₅₀₄	YES OK
						*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting I	Depth - Previo	us Shoe Dep	oth))= 1724	NO Reasonable
Required Casing/BOPE To	est Pressure=				2000	psi
*Max Pressure Allowed @	Previous Casing Shoe=				1000	psi *Assumes 1psi/ft frac gradient
Calculations		String		_		["
Max BHP (psi)			ing Depth*N	ИW	/=	
" (F **)			<i>3</i> -1-		-	BOPE Adequate For Drilling And Setting Casing at Depth
MASP (Gas) (psi)	Ma	nx BHP-(0.12*	Setting Dep	oth))=	NO
MASP (Gas/Mud) (psi)	Ma	x BHP-(0.22*	Setting Der	oth))=	NO I
					1	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP22*(Setting I	Depth - Previo	us Shoe Dep	oth))=	NO
Required Casing/BOPE To	est Pressure=					psi
*Max Pressure Allowed @	Previous Casing Shoe=					psi *Assumes 1psi/ft frac gradient
						["
Calculations		String		- CX	,	"
Max BHP (psi)		.052*Setti	ing Depth*N	/I W	/=	BOPE Adequate For Drilling And Setting Casing at Depth:
MASP (Gas) (psi)	Ma	ax BHP-(0.12*	Setting Der	nth)	=	
MASP (Gas/Mud) (psi)					1	NO I
MASI (Gas/Muu) (psi)	Max BHP-(0.22*Setting Depth)=			,u1)	<u>' </u>	*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	e Max BHP22*(Setting Depth - Previous Shoe Depth)=)=	NO NO
Required Casing/BOPE Test Pressure=					psi	
*Max Pressure Allowed @				_	-	psi *Assumes 1psi/ft frac gradient
					11	III to a second

43013504410000 Greater Monument Butte 3-16-9-16H Casing Schematic



Well name:

43013504410000 Greater Monument Butte 3-16-9-16H

Operator:

NEWFIELD PRODUCTION COMPANY

String type:

Surface

Project ID:

Location:

DUCHESNE COUNTY 43-013-50441

Minimum design factors: **Environment:**

1.80 (J)

1.70 (J)

Collapse

Mud weight: Design is based on evacuated pipe.

Design parameters:

8.330 ppg

Collapse:

Design factor 1.125

H2S considered?

Surface temperature:

No 74 °F 88 °F

Temperature gradient: Minimum section length:

Cement top:

100 ft

Burst

Max anticipated surface

pressure: Internal gradient:

348 psi 0.120 psi/ft

Calculated BHP 468 psi

No backup mud specified.

Tension:

Burst: Design factor

8 Round STC: 8 Round LTC:

1.60 (J) Buttress: Premium: 1.50 (J) Body yield: 1.50 (B)

Tension is based on air weight. Neutral point: 875 ft

Bottom hole temperature:

1.40 °F/100ft

353 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 1,000 ft Next mud weight: 9.000 ppg Next setting BHP: 468 psi Fracture mud wt: 19.250 ppg Fracture depth: 1,000 ft Injection pressure: 1,000 psi

Est. Run Segment **Nominal** End True Vert Measured Drift Length Size Seq Weight Grade **Finish** Depth Depth Diameter Cost (ft) (lbs/ft) (in) (ft) (ft) (in) (\$) 1 1000 8.625 24.00 J-55 ST&C 1000 1000 5147 7.972 Collapse Run Collapse Collapse **Burst** Burst **Burst Tension** Tension **Tension** Seq Load Strength Design Load Strength Design Load Strength Design (psi) (psi) (psi) **Factor** (psi) **Factor** (kips) (kips) **Factor** 1 433 1370 3.166 468 2950 6.31 24 244 10.17 J

Prepared

Helen Sadik-Macdonald

Div of Oil.Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: December 7,2010 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

43013504410000 Greater Monument Butte 3-16-9-16H Well name:

NEWFIELD PRODUCTION COMPANY Operator:

Production String type: Project ID: 43-013-50441

COUNTY **DUCHESNE** Location:

Cement top:

Environment:

Design parameters: Collapse

Mud weight: 9.000 ppg Design is based on evacuated pipe.

Collapse: Design factor

Minimum design factors:

1.125

H2S considered? No

Minimum section length:

100 ft

1,280 ft

Burst

Max anticipated surface

pressure: 1,367 psi Internal gradient: 0.220 psi/ft Calculated BHP 2,582 psi

No backup mud specified.

Tension:

Design factor

Burst:

8 Round STC: 1.80 (J) 1.80 (J) 8 Round LTC: 1.60 (J) Buttress:

Premium: 1.50 (J) 1.60 (B) Body yield:

Tension is based on air weight. Neutral point: 4,769 ft Surface temperature: 74 °F 151 °F Bottom hole temperature: Temperature gradient: 1.40 °F/100ft

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	5523	5.5	17.00	N-80	LT&C	5523	5523	4.767	31130
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	2582	5900	2.285	2582	7740	3.00	93.9	348	3.71 J

Prepared Helen Sadik-Macdonald Div of Oil, Gas & Mining

Phone: 801 538-5357 FAX: 801-359-3940

Date: December 7,2010 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5523 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kernler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator NEWFIELD PRODUCTION COMPANY
Well Name Greater Monument Butte 3-16-9-16H

API Number 43013504410000 APD No 3084 Field/Unit MONUMENT BUTTE

Location: 1/4,1/4 NENW **Sec** 16 **Tw** 9.0S **Rng** 16.0E 984 FNL 1885 FWL

GPS Coord (UTM) 574541 4431843 Surface Owner

Participants

Floyd Bartlett (DOGM), Shon McKinnon (Newfield Production Company), Ed Bonner (SITLA), Ben Williams (Utah Division of Wildlife Resources).

Regional/Local Setting & Topography

The general area is approximately 18 miles southwest of Myton, Utah in the middle to upper Castle Peak Draw area. Castle Peak Draw runs in a northeasterly direction about 12 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. The drainages of Castle Peak Draw are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. No streams springs or seeps occur in this area. An occasional pond constructed to store runoff for livestock or wildlife exists. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 18.6 miles. Construction of a short new road will be required to enter the location.

The proposed Greater Monument Butte 3-16-9-16H horizontal well location is on a gentle slope leading to the east away from an elevated rock ridge to the west and north. This gentle slope continues to the road and pipeline located to the east. A small drainage enters the location at Corner 4. An off location pond will be excavated to catch the small flows that may occur to provide water for antelope. As needed, an overflow will be constructed around the pad. The pad is located south outside the normal drilling window to avoid the ridge to the north. The well will be drilled horizontally with the target zone continuing southwesterly a distance of 4,537 feet from the wellhead. The selected site poses no apparent surface concerns and appears to be a good location for constructing a pad, drilling and operating a well. Both the surface and minerals are owned by SITLA.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlfe Habitat

New Road Miles Well Pad Src Const Material Surface Formation

0.01 Width 310 Length 400 Onsite UNTA

Ancillary Facilities N

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

12/14/2010 Page 1

Vegetation is a desert shrub type. Identified vegetation consisted of greasewood, Indian ricegrass, blue gramma, herbaceous sage, shadscale, needle and thread grass, prickly pear, globe mallow, mustard weed, rabbit brush, horsebrush, broom snakeweed, halogeton, curly mesquite grass and spring annuals.

Cattle, prairie dogs, antelope, small mammals and birds.

Soil Type and Characteristics

Moderately deep sandy clay loam.

Erosion Issues N

Sedimentation Issues Y

A small drainage enters the location at Corner 4. An off location pond will be excavated to catch the small flows that may occur to provide water for antelope. As needed, an overflow will be constructed around the pad.

Site Stability Issues N

Drainage Diverson Required? Y

A small drainage enters the location at Corner 4. An off location pond will be excavated to catch the small flows that may occur to provide water for antelope. As needed, an overflow will be constructed around the pad.

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? Y Paleo Potental Observed? N Cultural Survey Run? Y Cultural Resources? N

Reserve Pit

Site-Specific Factors	Site R		
Distance to Groundwater (feet)	75 to 100	10	
Distance to Surface Water (feet)	>1000	0	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	300 to 1320	10	
Native Soil Type	Mod permeability	10	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)		0	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	35	1 Sensitivity Level

Characteristics / Requirements

A 100' x 165' x 8' deep reserve pit is planned in an area of cut on the southwest side of the location. A 16-mil pit liner and a felt sub-liner are required.

Closed Loop Mud Required? N Liner Required? Liner Thickness 16 Pit Underlayment Required? Y

12/14/2010 Page 2

Other Observations / Comments

Floyd Bartlett **Evaluator**

11/4/2010 **Date / Time**

CONFIDENTIAL

12/14/2010 Page 3

Application for Permit to Drill Statement of Basis

12/14/2010 Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo				Status	V	Vell Type	Surf Ow	ner CBM
3084	43013504410	000			LOCKE	ED O	W	S	No
Operator	NEWFIELD I	PROD	UCTI	ON	COMPAN	Y S	urface Owner-APD		
Well Name	Greater Monu	ment	Butte	3-1	6-9-16H	U	nit	GMBU (GRRV)
Field	MONUMENT	ΓBUΊ	ГΤЕ			T	ype of Work	DRILL	
Location	NENW 16	9S	16E	S	984 FNL	1885 FWL	GPS Coord (UTM)	574534E	4431842N
				S	984 FNL		• •		4431842N

Geologic Statement of Basis

Newfield proposes to set 300' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,350'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 16. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought high enough to cover the estimated base of the moderately saline ground water.

Brad Hill 11/17/2010
APD Evaluator Date / Time

Surface Statement of Basis

The general area is approximately 18 miles southwest of Myton, Utah in the middle to upper Castle Peak Draw area. Castle Peak Draw runs in a northeasterly direction about 12 miles and joins Pariette Draw. Pariette Draw continues in a southeasterly direction about 6 miles and joins the Green River about 6 miles below Ouray Utah. Pariette Draw contains a perennial stream somewhat consisting of irrigation runoff and seepage. The drainages of Castle Peak Draw are ephemeral only flowing during spring snowmelt or following intense summer rainstorms. No streams springs or seeps occur in this area. An occasional pond constructed to store runoff for livestock or wildlife exists. Broad flats or rolling topography intersected by drainages with gentle to moderate side-slopes characterize the area. Access to the area from Myton, Utah is following State of Utah Hwy. 40 and Duchesne County and oilfield development roads a distance of 18.6 miles. Construction of a short new road will be required to enter the location.

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Ed Bonner of SITLA was invited to and attended the pre-site visit. He had no concerns regarding the proposal. He was in agreement with constructing a small pond. SITLA will provide reclamation standards including the re-vegetation practices to be followed. Ben Williams representing the Utah Division of Wildlife Resources stated the area is classified crucial yearlong antelope habitat. No restrictions were requested. No other wildlife is expected to be significantly affected.

Floyd Bartlett
Onsite Evaluator

11/4/2010

Date / Time

12/14/2010

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

Page 2

Conditions of Approval / Application for Permit to Drill

Category Condition

Pits A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the

reserve pit.

Surface The well site shall be bermed to prevent fluids from leaving the pad.

Surface Drainages adjacent to the proposed pad shall be diverted around the location.

The reserve pit shall be fenced upon completion of drilling operations.

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/20/2010 **API NO. ASSIGNED:** 43013504410000 WELL NAME: Greater Monument Butte 3-16-9-16H **OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825 **CONTACT:** Mandie Crozier PROPOSED LOCATION: NENW 16 090S 160E **Permit Tech Review: SURFACE:** 0984 FNL 1885 FWL **Engineering Review: BOTTOM:** 0100 FSL 0150 FWL Geology Review: **COUNTY: DUCHESNE LATITUDE: 40.03541 LONGITUDE:** -110.12641 UTM SURF EASTINGS: 574534.00 **NORTHINGS:** 4431842.00 FIELD NAME: MONUMENT BUTTE LEASE TYPE: 3 - State **LEASE NUMBER: ML-16532** PROPOSED PRODUCING FORMATION(S): GREEN RIVER **SURFACE OWNER:** 3 - State **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:** ✓ PLAT R649-2-3. Unit: GMBU (GRRV) Bond: STATE/FEE - B001834 **Potash** R649-3-2. General Oil Shale 190-5 R649-3-3. Exception **Oil Shale 190-3** Oil Shale 190-13 **Drilling Unit** Board Cause No: Cause 213-11 Water Permit: 437478 **Effective Date:** 11/30/2009 **RDCC Review:** Siting: Suspends General Siting **Fee Surface Agreement**

R649-3-11. Directional Drill

Comments: Presite Completed

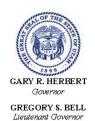
Intent to Commingle

Commingling Approved

Stipulations: 5 - Statement of Basis - bhill

9 - Cement casing to Surface - hmacdonald 15 - Directional - bhill 25 - Surface Casing - hmacdonald 27 - Other - bhill

API Well No: 43013504410000



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Greater Monument Butte 3-16-9-16H

API Well Number: 43013504410000

Lease Number: ML-16532 Surface Owner: STATE Approval Date: 12/14/2010

Issued to:

NEWFIELD PRODUCTION COMPANY, Rt 3 Box 3630, Myton, UT 84052

Authority:

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

The cement volumes for the $5 \frac{1}{2}$ " casing shall be determined from actual hole conditions and the setting depth of the port collar in order to place cement from the pipe setting depth back to the surface as stated in drill plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before

API Well No: 43013504410000

performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan contact Dustin Doucet
- Significant plug back of the well contact Dustin Doucet
- Plug and abandonment of the well contact Dustin Doucet

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well contact Carol Daniels OR
- submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment contact Dan Jarvis
- 24 hours prior to cementing or testing casing contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program

 contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 office
- Dustin Doucet 801-538-5281 office

801-733-0983 - after office hours

• Dan Jarvis 801-538-5338 - office

801-231-8956 - after office hours

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

Approved By:

For John Rogers Associate Director, Oil & Gas



Operator Newfield Exploration Rig Name/# Ross 21 Submitted By Adam Ferrari Phone Number 435-823-6740 Well Name/Number State 3-16-9-16H Qtr/Qtr NE/NW Section 16 Township 9S Range 16E Lease Serial Number ML-16532 API Number 43-013-50441 <u>Spud Notice</u> – Spud is the initial spudding of the well, not drilling out below a casing string. Date/Time <u>2/9/2011</u> <u>10:00</u> AM ⊠ PM □ <u>Casing</u> – Please report time casing run starts, not cementing times. **Surface Casing Intermediate Casing Production Casing** Liner Other Date/Time <u>2/9/2011</u> <u>2:00PM</u> AM ☐ PM ☒ BOPE Initial BOPE test at surface casing point BOPE test at intermediate casing point 30 day BOPE test Other Date/Time _____ AM PM Remarks ____

SUNDR Do not use this form for propos		NING ON WELLS n existing wells below current	5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT OF CA AGREEMENT NAME: GMBU (GRRV) 8. WELL NAME and NUMBER: GREATER MON BUTTE 3-16-9-16H 9. API NUMBER: 43013504410000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84		ONE NUMBER:	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
11.	P, RANGE, MERIDIAN: Township: 09.0S Range: 16.0E Meridian: CK APPROPRIATE BOXES TO INDICA		COUNTY: DUCHESNE STATE: UTAH OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
Newfield requests to design is in the larequirements, a special This tool is only a previously submitted Once the well is land changed to 6-1/8".	□ ACIDIZE □ CHANGE TO PREVIOUS PLANS □ CHANGE WELL STATUS □ DEEPEN □ OPERATOR CHANGE □ PRODUCTION START OR RESUME □ REPERFORATE CURRENT FORMATION □ TUBING REPAIR □ WATER SHUTOFF □ WILDCAT WELL DETERMINATION MPLETED OPERATIONS. Clearly show all perform the production casing the production of the well cital density LWD (logging while the production of the well on the Basal Carbonate for the production casing will be lateral portion of the well only	ing design. The change in only. Due to geological le drilling) tool will be used the well will be drilled as ections (7-7/8" hole size). That ion the hole size will changed to 4-1/2", 11.6#,	Approved by the Utah Division of Oil, Gas and Mining Pate: 02/17/2011
production NAME (PLEASE PRINT) Mandie Crozier SIGNATURE N/A	n casing info will remain as or PHONE NUMBER 435 646-4825	riginally submitted.	

OPERATOR: NEWFIELD PRODUCTION COMPANY

ADDRESS: RT. 3 BOX 3630

OPERATOR ACCT. NO.

N2695

MYTON, UT 84052 SCHOAR-

A CTION!				OCHWID							
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME			WELL	OCATION		EDITO.	
				SCHAB-STOLLMACK	QQ	SC	16	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	17962	4304751166	3-24-4-1W	NENW	24	40		4 440 4944		5/2/11
WELL 1.C	OMMENTS:	11 1 7 00		0-27-7-199	IAEMAA	24	48	1W	UINTAH	2/10/2011	1 3/28/11
	GRRI	/								1	
ACTION CODE	CURRENT	NEW	API NUMBER	WELL NAME	T	WE	LL LOCAT	TON			
CODE	ENTITY NO.	ENTITY NO.		ODEATED MONITORING	QQ	SC	ΤP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
В	99999	17400	4301350441	GREATER MONUMENT BUTTE 3-16-9-16H							6/ /
<u> </u>			1001000471	DOLIE 2-10-2-10U	NENW	16	98	16E	DUCHESNE	2/9/2011	2/28///
ASTION	GRRV			BH = SW	SW					CONFIDI	NTIAL
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME		SC	WELLL	OCATION RG		SPUD DATE	EFFECTIVE
	مصر						11-	- NO	COUNTY	DATE	
E	16966	16966	4301333889	UTE TRIBAL 15-22-4-2	SWSE	22	48	2W	DUCHESNE	7/7/2008	2/1/11
		CH	ANGE FORMATI	ON F/ GRRV TO GR-WS							1041/11
										•	2/28/11
CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	QQ		WELL L	OCATION		SPUD	EFFECTIVE
	1				- Ga	sc	TP	RG	COUNTY	DATE	DATE
E	17560	17560	4301334209	UTE TRIBAL 6-30-4-2	SENW	30	48	2W	DUCHESNE	3/21/2010	2/2/11
			CHANGE	FORMATION F/ GRRV TO GR-	ws		L				1: /
ACTION	CURRENT	NEW	API NUMBER	Night Assault							3/28/11
CODE	ENTITY NO.	ENTITY NO.	70 (110)NDCIX	WELL NAME	QQ	sc	WELL L	DCATION RG	COUNTY	SPUD	EFFECTIVE
		1						. 110	COUNTY	DATE	DATE
E	17927	17927	4301350336	UTE TRIBAL 16-27-4-3	SESE	27	48	3W	DUCHESNE	12/21/2010	1125/11
		CH.	ANGE FORMATI	ON F/ GRRV TO GR-WS	. I				DOUBLE	12/21/2010	1/30/11
				70					4.3		2/28/11
ACTION	CURRENT	NEW									1,00/11
CODE	ENTITY NO.	ENTITY NO.	API NUMBER	WELL NAME	QQ	sc		CATION		SPUD	EFFECTIVE
					- uu	30	ΤP	RG	COUNTY	DATE	DATE
E	17871	17871	4301350383	UTE TRIBAL 13-22-4-3	swsw	22	48	3W	DUCHESNE	11/10/2010	1/12/11
		CH	ANGE FORMATI	ON F/ GRRV TO GR-WS	1 011011				DOGITESIAE	11/10/2010	1//3//1
									1		2/28/11
ACTION CO	DDES (See Instructions on back	of form)			·····					-4	ا ال من ال
A- 11	now antity for now well (single we	all only)							AIAA		
	vell to existing entity (group or u om one existing entity to another			hand here to here if I have had				/.	VI		Jentri Park
D- w	oll from one existing entity to a r	now entity		RECEIV	Signature					- V-MIT WIK	
E-the	or (explain in comments section))		rrn a a c			/ 1	Production Clerk		02/28/11	
NOTE: Use	COMMENT section to explain y	why each Action Code	ume coloried	FEB 2 8 2	<u>'</u> U11			1			VAL. (7)

DIV. OF OIL, GAS & MINING

STATE OF UTAH

DEPARTMENT OF NATURAL RES

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2	er'i	ŤÄLL	CTATE	MI 16521	SERIAL NUMBE.
4	ΨU	EARL	SIAIE	MIT-10327	4

	DIVISION OF OIL, GAS AN	DMINIO	UTAH STATE ML-16532
SUNDR	Y NOTICES AND REPO	ORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	drill new wells, significantly deepen existing wells bental laterals. Use APPLICATION FOR PERMIT TO		7. UNIT of CA AGREEMENT NAME: GMBU
1. TYPE OF WELL: OIL WELL	GAS WELL OTHER		8. WELL NAME and NUMBER: GREATER MONUMENT BUTTE
2. NAME OF OPERATOR:			9. API NUMBER:
NEWFIELD PRODUCTION CO	MPANY		4301350441
3. ADDRESS OF OPERATOR:		PHONE NUMBER	10. FIELD AND POOL, OR WILDCAT:
Route 3 Box 3630	CITY Myton STATE UT	ZIP 84052 435.646.3721	GREATER MB UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE:			COUNTY: DUCHESNE
OTR/OTR. SECTION. TOWNSHIP. RANG	E. MERIDIAN: NENW, 16, T9S, R16E		STATE: UT
II. CHECK APPRO	PRIATE BOXES TO INDICAT	E NATURE OF NOTICE, RE	PORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will	CASING REPAIR	NEW CONSTRUCTION	TEMPORARITLY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLAIR
	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUCTION (START/STOP)	WATER SHUT-OFF
Date of Work Completion:	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	X OTHER: - Spud Notice
02/11/2011	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	NC
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show	all pertinent details including dates, depti	ns, volumes, etc.
	cement with 500 sks of class "G" w/ 2		// 24 Jt's 8 5/8" J-55 24# csgn. Set @ e Mixed @ 15.8ppg w/ 1.17ft3/sk yield.
	4		

(This space for State use only)

NAME (PLEASE PRINT) Adam Ferrari

RECEIVED

TITLE Production Engineer

MAR 0 9 2011

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

			8 5/8"	CASING SET AT		1024.67	-		
LAST CASING			8			OR		Exploration (Company
DATUM TO CUT	OFF CASI	NG	13	-			monumen	at hutto	
DATUM TO COT	DENILEAD	ELANGE	13	-		_			<u> </u>
TD DRILLER	1025	LANGE	19		CONTRAC	JUR & RIG) 	ross rig #26	
_	12 1/4"	-)EK						
HOLE SIZE	12 1/4			-					
LOG OF CASING	3 STRING:	<u></u>							
PIECES	OD	1	IAKE - DESC	CRIPTION	WT/FT	GRD	THREAD	CONDT	LENGTH
1		wellhead						Α	1.42
24	8 5/8"	casing (sho	oe jt 36.45)	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	24	J-55	STC	Α	1011.35
1	8 5/8"	guide shoe						Α	0.9
									·
CASING INVENT	ORY BAL.		FEET	JTS	TOTAL LE	NGTH OF S	STRING		1013.67
TOTAL LENGTH	OF STRIN	G '	1013.67	24	LESS CUT	OFF PIEC	Æ		2
LESS NON CSG.	. ITEMS		2.32		PLUS DAT	UM TO T/C	CUT OFF CS	iG	13
PLUS FULL JTS.	. LEFT OUT	ſ	0]CASING S	ET DEPTH			1,024.67
	TOTAL		1011.35	24] ,			_	
TOTAL CSG. DE	L. (W/O TH	IRDS)] } сомра	4RE			
Т	ΓIMING ·] _				
BEGIN RUN CSC	Э.	Spud	8:00 AM	2/10/2011	GOOD CIF	₹C THRU J	OB	Yes	
CSG. IN HOLE			10:00 AM	2/10/2011	Bbls CMT	CIRC TO S	URFACE	10	
BEGIN CIRC			3:13 PM	2/11/2011	RECIPRO	CATED PIP	No No		
BEGIN PUMP CM	ИT		3:32 PM	2/11/2011					
BEGIN DSPL. CA	ИT		3:52 PM	2/11/2011	BUMPED F	PLUG TO _	400		

4:17 PM

2/11/2011

PLUG DOWN

CEMENT US	ED	CEMENT COMPANY- BJ	
STAGE	# SX	CEMENT TYPE & ADDITIVES	
1	500	Class "G"+2%CaCl Mixed@ 15.8ppg W/1.17 yield returned 10bbls to pit	
			٦
			╝

			_
			_
			_
			_
			_
		CHER PLACEMENT SHOW MAKE & SPACING	_
Middle of fir	st, top of sec	cond, third, fourth, and fifth for a total of five.	
COMPANY F	REPRESENTA	ATIVE Adam Ferrari DATE 2/11/2011	

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING UTAH STATE ML-16532 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged **GMBU** wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL: 8. WELL NAME and NUMBER: 3-16-9-16H OIL WELL 🔽 GAS WELL 🔲 OTHER GREATER MONUMENT BUTTE 2. NAME OF OPERATOR **NEWFIELD PRODUCTION COMPANY** 4301350441 3. ADDRESS OF OPERATOR PHONE NUMBER 10. FIELD AND POOL, OR WILDCAT: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 435.646.3721 GREATER MB UNIT 4. LOCATION OF WELL: FOOTAGES AT SURFACE: COUNTY: DUCHESNE OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NENW, 16, T9S, R16E UT STATE: CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN REPERFORATE CURRENT FORMATION NOTICE OF INTENT FRACTURE TREAT (Submit in Duplicate) ALTER CASING SIDETRACK TO REPAIR WELL CASING REPAIR NEW CONSTRUCTION TEMPORARITLY ABANDON Approximate date work will CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLAIR SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) CHANGE WELL STATUS PRODUCTION (START/STOP) WATER SHUT-OFF Date of Work Completion: COMMINGLE PRODUCING FORMATIONS OTHER: - Weekly Status Report RECLAMATION OF WELL SITE

RECOMPLETE - DIFFERENT FORMATION

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 4-21-2011, attached is a daily completion status report.

CONVERT WELL TYPE

RECEIVED
MAY 1 0 2011

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Jennifer Peatross	TITLE Production Technician
SIGNATURE POUTOS	DATE 05/04/2011

(This space for State use only)

04/21/2011

Daily Activity Report

Format For Sundry GMB 3-16-9-16H 2/1/2011 To 6/30/2011

3/26/2011 Day: 1

Completion

WWS #5 on 3/26/2011 - MIRU WWS #5. NU BOP. Set WRP. RIH w/ port shifting tool. - MIRU WWS #5. NU Schaeffer BOP. RU The Perforators wireline. Set WRP @ 5500'. Dump bail sand on WRP. RD wireline. RIH w/ port collar shifting tool & 2 7/8" tbg. from trailer. Locate port collar. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$10,841

3/28/2011 Day: 2

Completion

WWS #5 on 3/28/2011 - Cement csg. - RU BJ Services. Pressure tbg. to 500 psi. Open port collar. Establish circulation. Pump Cement w/ 300 sks of lead (PL II+3% KCL+5#CSE+.5#CF+5#KOL+.5SMS+FP+SF) @ 11 ppg and 3.53 yield and 321 sks of tail (50:50:2+3%KCL+.5%EC-1+.25#CF+.05#SF+.3SMS+FP-6L). Returned approx. 35 bbls cement to pit. Close port collar. Pressure test csq. & port collar to 3000 psi for 30 min. w/ no bleed off. Pull up to 5225'. ND BOP. NU BOP. RD.

Daily Cost: \$0

Cumulative Cost: \$34,496

4/14/2011 Day: 3

Completion

WWS #5 on 4/14/2011 - Frac well. - RU BJ Services. Frac well. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$61,645

4/15/2011 Day: 4

Completion

WWS #5 on 4/15/2011 - Frac & flow well. - Frac remaining 5 stages. RD BJ Services. Open well to pit for immediate flowback. Turn well over to flowback hands.

Daily Cost: \$0

Cumulative Cost: \$88,809

4/19/2011 Day: 5

Completion

Stone #8 on 4/19/2011 - ND frac tree. Set WRP @ 5000'. NU Schaeffer BOP. Spot in Stone #8. Could not RU due to high winds. - RU The Perforators. Shut well in. 60 psi on well. ND frac tree, RU hotoiler to csq. Well built up to 300 psi. Flush csq. w/ 55 bbls water. Pressured up to 600 psi. RIH w/ WRP. Well had bled down to 500 psi. Set WRP @ 5000'. Bleed off well. ND frac valve & Cameron frac sleeve. NU Schaeffer BOP. Spot in Stone #8. Could not rig up due to high winds. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$98,039

4/20/2011 Day: 6

Completion

Stone #8 on 4/20/2011 - RIH w/ tbg. Release plug. POOH w/ tbg. RIH w/ production string. ND BOP. Set TAC. NU wellhead. SWIFN. - RU Stone #8. RIH w/ retrieving head & new 2 7/8" tbg. from pipe racks (tallying & drifting) to 4930'. Circulate well clean w/ 120 bbls 10#. RIH w/ tbg. Latch on to WRP. Release plug. Well remained static. POOH w/ tbg. LD WRP. RIH w/ tbg. ND BOP. Set TAC @ 5867' w/ 18,000# tension. NU wellhead. SWIFN.

Daily Cost: \$0

Cumulative Cost: \$601,135

4/21/2011 Day: 7

Completion

Rigless on 4/21/2011 - Run Co-rod. PWOP @ 8:30 p.m. 168" stroke length, 5 spm. - RD Stone #8. MIRU B&G Crane. Roll counterweights on pumping unit. RD B&G Crane. MIRU Weatherford Co-rod unit. RIH w/ MacGyver 3 rod pump, stabalizer sub, on/off tool, stabalizer sub, se 4 co-rod, 1- 8', 6', 4', 2' x 7/8" pony subs, 1 1/2" x 26' polished rod. Seat pump. RU pumping unit. RD co-rod rig. PWOP @ 8:30 p.m. 5 spm, 168 stroke length. **Finalized**

Daily Cost: \$0

Cumulative Cost: \$672,428

Pertinent Files: Go to File List

Form 3160-4 (August 2007)

CUNFIDENTIAL

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0137 Expires: July 31, 2010

			В	UREA	AU OF I	LAND MA	NA	GEME	NT							Expires: Jul	ly 31, 2010	
	w	ELL	COMPL	ETIO	N OR R	ECOMPLE	ETIC	ON REF	PORT	AND L	.OG			5. Le	ase Ser	ial No.		
														ML-	16532	_		
la. Type of b. Type of	Well Completion	: V	Oil Well New Well	Ga W	s Well ork Over	Dry Deepen] C	ther lug Back	☐ Diff	f. Resvr.,		•		6. If	Indian,	Allottee or T	Tribe Name	
	-		Other:												nit or C. BU (GF		t Name and No	•
2. Name of NEWFIEL	Operator D EXPLOI	RATIO	ON COMP	ANY		-										ne and Well 6-9-16H	No.	
3. Address			TE 1000 DEN					(4	Phone 1 35) 646		ude are	a code)			FI Well 13-504			
4. Location	of Well (Re	eport i	ocation clea	ırly and	in accordo	ance with Fede	ral r	equiremen	ts)*	ВН	'L C	ALC	_			Pool or Ex		
At surfac	^e 984' FN	L & 1	885' FWL	(NE/N\	W) SEC.	16, T9S, R16	6E (ML-1653	2)	BY	P.E.	ASSIT	-	11. S	ec., T., urvey o	R., M., on B r Area SEC.	lock and 16, T9S, R16E	
At top pro	d. interval r	reporte	d below 18	346' FN	L & 1517	7' FWL (SE/N	M)	SEC. 16	, T 9S, F	R16E (M	1L-165	32)				or Parish	13. State	
		L & -2				6, T9S, R16	E (N	/L-16532) /4	FSL	225	FR	14		HESN		UT	
14. Date Sp 02/09/201	1		03/	Date T.I. 22/201					ate Comp D & A	√ R	eady to	Prod.		5847	" GL 5	ns (DF, RKI 5860' KB	B, RT, GL)* 	
18. Total De	epth: MD TVI	10: D 58	259' 38' <i>5 6.3</i>	2'	19. Plu	g Back T.D.:	MI TV) 10249' D <i>5</i> 82	71				lge Plug	7	MD IVD			
21. Type El ÕUAL IND	ectric & Oth GRD, SP	er Me	chanical Log MP. DENS	s Run (S	Submit cop	y of each)	,ÇA	LIPER, C	MT BO	VD ND	W	as well o as DST i rectiona				Yes (Submit Yes (Submit Yes (Submit	report)	
23. Casing	and Liner R	Record	(Report all	strings	set in well	<u> </u>		Stage Ce			of Sks.	&	Slurry '	Vol.				
Hole Size	Size/Gra		Wt. (#/ft.)		(MD)	Bottom (MI	J)	Dep			of Cem		(BBI	.)	Ceme	ent Top*	Amount P	ulled
12-1/4" 7-7/8"	8-5/8" J- 5-1/2" M		24# 17#	0		1025' 5993'				500 CI 300 PI					124'		•	
6-1/8"	4-1/2" P			5993'		10249'				321 50		-			12-7		-	
			-										,					
24. Tubing	Dagand													<u>-</u>		1		
Size	Depth S	Set (M	D) Packe	er Depth	(MD)	Size		Depth Set	(MD)	Packer I	Depth (N	MD)	Size		Deptl	n Set (MD)	Packer De	oth (MD)
2-7/8"	EOT@		2' TA @	5867'														
25. Produci	ng Intervals Formation			To		Bottom	-		foration I orated In		Т	Siz	ze l	No. H	oles		Perf. Status	
A) Green I			60	601'		10160'		6601-10 ⁻				16.9 s		12	0.00	Sliding Sle		
B)																		
C)																		
D)						·		-										
27. Acid, Fi	Depth Inter		, Cement Sq	ueeze, e	etc.				F	Amount a	and Typ	e of Ma	terial			DEC	\	
6601-1016			Fr	ac w/ 3	35921#	s 100 mesh a	and	244388#	30/50 s	and in 3	34456	bbls of	fluid in	12 sta	ges.	חבנ	EIVEL)
									111.00.00							APR	1 7 2012	
28. Producti							_								— DI	450 6	PANE	NG
Date First Produced	Test Date	Hours Tested			Dil BBL	Gas MCF	Wa BB		Oil Grav Corr. Al		Gas Grav			ction Me				
4/16/11	5/6/11	24			288	158	40			•	0.0	,,	Mac	Gyver F	Pump,	7/8" Ala R i	izersu2042/	Off Tool
Choke	Tbg. Press.		24 Hr.)il	Gas	Wa		Gas/Oil		- 1	1 Status			וח	V OF O	CAC o Baile	INIC
Size	Flwg. SI	Press.	Rate		BBL	MCF	BB	L	Ratio		PR	ODUC	ING		וט	v. Ur UIL,	, GAS & MIN	ING
28a. Produc	tion - Interv	al B					<u> </u>		<u> </u>									
Date First Produced	Test Date	Hours Tested		1	Dil BBL	Gas MCF	Wa BB		Oil Grav Corr. Al		Gas Grav		Produ	ction Me	thod			
	Tbg. Press.		24 Hr.			Gas	Wa		Gas/Oil	·	Wel	l Status						
Size	Flwg.	Press.	Rate	ĮŁ.	BL	MCF	BB	L	Ratio		ı							

^{*(}See instructions and spaces for additional data on page 2)

001 D 1										
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
Choke	Tbg. Press.		24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	<u></u>	
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio			
28c. Produ	 uction - Inte	rval D								
Date First		Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Method	
Produced		Tested	Production	BBL	MCF	BBL	Corr. API	Gravity		
Choke	Tbg. Press.		24 Hr.	Oil	Gas	Water	Gas/Oil	Well Status	.1	
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL	Ratio			
29. Dispos	l sition of Gas	(Solid, us	sed for fuel, ve	ented, etc.,	<u> </u>					
SOLD AND	USED FOR F	UEL								
30. Sumn	nary of Poro	us Zones	(Include Aqui	ifers):				31. Formati	on (Log) Markers	•
Show a includi recover	ng depth inte	zones of jerval teste	porosity and c d, cushion use	ontents th	ereof: Cored ool open, flowi	intervals and al ng and shut-in	ll drill-stem tests, pressures and	GEOLOG	ICAL MARKERS	
		ŀ								Тор
Form	nation	Тор	Bottom		Desc	criptions, Conte	ents, etc.		Name	Meas. Depth
GREEN RIV	/FR	6601'	10160'	-				GARDEN GU	I CH MRK	3654'
O'CENTO			10.00					GARDEN GU		3869'
								GARDEN GU POINT 3	LCH 2	3978' 4230'
								X MRKR Y MRKR		4492' 4525'
								DOUGLAS C BI CARBONA		4639' 4877'
								B LIMESTON CASTLE PEA		4982' 5512'
								BASAL CARB	SONATE	6125'
32. Addit	onal remark	s (include	plugging pro	cedure):					· · · · · · · · · · · · · · · · · · ·	_ .
33. Indica	te which ite	ms have b	een attached b	y placing	a check in the	appropriate bo	oxes:	,		
□ Elec	trical/Mecha	nical Logs	(1 full set req'	d)		Geologic Repor	rt 🗖 DST R	!enort	✓ Directional Survey	
		_	and cement ve	•		Core Analysis		Drilling Daily		
					rmation is con	plete and corre			ecords (see attached instructions))*
N	ame (please	print)	nnifer Peatr	oss			-	on Technician	17.19	
Si	gnature	X	WI NY	15			Date 03/19/201	12		
Title 18 U.	S.C. Section	r-1001 and	l Title 43 U.S.	.C. Section	n 1212, make	t a crime for ar	ny person knowingly	and willfully to	make to any department or agen	cy of the United States any
rano, mon	vi IIaul	adivin Stat	on rep	- cocinatio	io ao to any m	mor within ns	Jaciourenen.			

(Continued on page 3) (Form 3160-4, page 2)

2000 Oil Drive Casper, WY 82604 Tel. 307-268-7900 Fax 307-235-3958

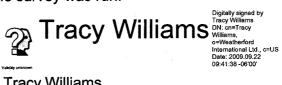
Date: March 20, 2011

Attention: Lucy Chavez-Naupoto

Re:

Newfield Exploration GMB 3-16-9-16H **DUCHESNE COUNTY, UT**

Attached to this letter is a copy of the surveys taken by Precision Energy Services, a Weatherford International Ltd. company, MWD equipment on the subject well. The surveys from 1044' to 10199' MD represent, to the best of our knowledge, a true and accurate survey of the wellbore at the time the survey was run.



Tracy Williams Well Planning Department

Cc:

Wychgram Hans **Newfield Exploration**





Survey Report



Company:

NEWFIELD EXPLORATION CO.

Project:

DUCHESNE COUNTY, UT

Site: Well: GMB 3-16-9-16H GMB 3-16-9-16H

Wellbore:

GMB 3-16-9-16H

Design:

GMB 3-16-9-16H

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

Database:

Well GMB 3-16-9-16H

WELL @ 5859.00ft (Original Well Elev)

WELL @ 5859.00ft (Original Well Elev)

North Reference:

Survey Calculation Method:

Minimum Curvature

EDM 2003.21 Single User Db

Project

DUCHESNE COUNTY, UT

Map System:

US State Plane 1983

Geo Datum: Map Zone:

North American Datum 1983 Utah Central Zone

System Datum:

Mean Sea Level

Site

GMB 3-16-9-16H

Site Position:

Lat/Long

Northing: Easting:

7,184,565.55ft

Latitude:

40° 2' 7.410 N

Position Uncertainty:

0.00 ft

Slot Radius:

2,024,822.39ft

Longitude:

110° 7' 37.300 W

Grid Convergence:

0.88°

Well

From:

GMB 3-16-9-16H

+N/-S

+E/-W

Well Position

0.00 ft 0.00 ft Northing: Easting:

7,184,565.55 ft 2,024,822.39 ft

Latitude: Longitude: 40° 2' 7.410 N

Position Uncertainty

0.00 ft

Wellhead Elevation:

ft

· Ground Level:

110° 7' 37.300 W 5.847.00 ft

Wellbore

GMB 3-16-9-16H

Magnetics

Model Name

Sample Date

Declination (°)

Dip Angle (°)

Field Strength

(nT)

BGGM2010

3/1/2011

11.41

65.80

52,256

Design

GMB 3-16-9-16H

Audit Notes:

Version:

1.0

Phase:

ACTUAL

Tie On Depth:

0.00

Vertical Section:

Depth From (TVD)

(ft) 0.00 +N/-S (ft) 0.00

+E/-W (ft) 0.00

Direction (°) 201.64

Survey Program

Date 3/20/2011

From (ft)

To (ft)

Survey (Wellbore)

Tool Name

Description

1,044.00

10,259.00 Survey #1 (GMB 3-16-9-16H)

MWD

MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,044.00		19.64	1.043.99	3.00	1.07	-3.19	0.03	0.03	0.00	
1,134.00		40.80	1,133.99	3.62	1.47	-3.91	0.33	0.28	23.51	
1,225,00		37.70	1,224,98	4.39	2.10	-4.86	0.08	0.07	-3.41	
1,316.00	0.44	18.10	1,315.98	5.14	2.53	-5.71	0.31	-0.24	-21.54	
1,407.00	0.62	28.78	1,406,98	5.90	2.88	-6.55	0.22	0.20	11.74	
1,497.00	0.44	41.70	1,496,97	6.59	3.34	-7.36	0.24	-0.20	14.36	
1,588.00	0.61	24.20	1,587,97	7.29	3.77	-8.17	0.25	0.19	-19.23	
1,697,00	0.26	352.04	1,696.97	8.07	3.98	-8.96	0.38	-0.32	-29.50	
1,769.00	0.00	351.81	1,768.97	8.23	3.95	-9.11	0.36	-0.36	0.00	
1,860,00	0.26	200,61	1.859.97	8.03	3.88	-8.90	0.29	0.29	0.00	
1,951.00		193.75	1,950.96	7.57	3.74	-8.42	0.11	0.10	-7.54	
2.041.00		204.43	2.040:96	7.00	3.54	-7.81	0.12	0.09	11.87	



Survey Report



Company:

NEWFIELD EXPLORATION CO.

Project:

DUCHESNE COUNTY, UT

Site: Well: GMB 3-16-9-16H GMB 3-16-9-16H

Wellbore: Design: GMB 3-16-9-16H GMB 3-16-9-16H Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well GMB 3-16-9-16H

WELL @ 5859.00ft (Original Well Elev)

WELL @ 5859.00ft (Original Well Elev)

Minimum Curvature

EDM 2003.21 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,131.00	0.40	228.12	2,130.96	6.48	3.16	-7.19	0.19	-0.03	26.32
2,223.00	0.93	222.04	2,222.95	5.71	2.43	-6.20	0.58	0.58	-6.61
2,314.00	1.27	214.06	2,313.94	4.33	1.37	-4.53	0.41	0.37	-8.77
2,404.00	1.54	203.29	2,403.91	2.39	0.33	-2.34	0.42	0.30	-11.97
2,495.00	0.40	181.40	2,494.90	0.95	-0.16	-0.82	1.29	-1.25	-24.05
2,585.00	0.42	179.62	2,584.89	0.31	-0.17	-0.22	0.03	0.02	-1.98
2,676.00	1.02	199.33	2,675.89	-0.79	-0.43	0.90	0.70	0.66	21.66
2,767.00	1.02	190.33	2,766.87	-2.35	-0.85	2.50	0.18	0.00	-9.89
2,858.00	0.88	178.64	2,857.86	-3.85	-0.97	3.94	0.26	-0.15	-12.85
2,948.00	0.92	184.13	2,947.85	-5.26	-1.01	5.26	0.11	0.04	6.10
3,039.00	1.05	216.49	3,038.83	-6.66	-1.56	6.77	0.62	0.14	35.56
3,129.00	1.32	217.62	3,128.82	-8.14	-2.68	8.56	0.30	0.30	1.26
3,220.00	1.10	206.98	3,219.80	-9.75	-3.72	10.44	0.34	-0.24	-11.69
3,311.00	1.50	205.05	3,310.77	-11.61	-4.62	12.49	0.44	0.44	-2.12
3,401.00	1.41	201.40	3,400.74	-13.71	-5.52	14.78	0.14	-0.10	-4 .06
3,492.00	1.71	208.61	3,491.71	-15.94	-6.58	17.25	0.39	0.33	7.92
3,583.00	1.80	197.22	3,582.67	-18.50	-7.65	20.02	0.40	0.10	-12.52
3,673.00	0.44	132.88	3,672.65	-20.08	-7.82	21.55	1.84	-1.51	-71.49
3,764.00	0.40	142.29	3,763.65	-20.57	-7.37	21.84	0.09	-0.04	10.34
3,855.00	0.97	160.09	3,854.64	-21.55	-6.91	22.58	0.66	0.63	19.56
3,945.00	1.36	175.21	3,944.62	-23.33	-6.56	24.11	0.55	0.43	16.80
4,036.00	1.49	182.24	4,035.59	-25.59	-6.52	26.19	0.24	0.14	7.73
4,127.00	1.49	174.94	4,126.56	-27.95	-6.46	28.36	0.21	0.00	-8.02
4,217.00	1.41	271.36	4,216.54	-29.09	-7.47	29.79	2.40	-0.09	107.13
4,308.00	1.19	257.43	4,307.52	-29.27	-9.51	30.71	0.42	-0.24	-15.31
4,399.00	1.54	244.38	4,398.50	-30.00	-11.53	32.14	0.51	0.38	-14.34
4,489.00	1.54	243.37	4,488.46	-31.07	-13.70	33.93	0.03	0.00	-1.12
4,580.00	1.67	236.69	4,579.43	-32.34	-15.90	35.93	0.25	0.14	-7.34
4,670.00	0.53	202.06	4,669.41	-33.45	-17.16	37.42	1.41	-1.27	-38.48
4,761.00	1.14	228.21	4,760.40	-34.44	-17.99	38.65	0.77	0.67	28.74
4,852.00	0.97	214.41	4,851.38	-35.68	-19.10	40.21	0.33	-0.19	-15.16
4,942.00	1.36	202.54	4,941.37	-37.30	-19.94	42.02	0.51	0.43	-13.19
5,033.00	1.74	206.45	5,032.33	-39.53	-20.97	44.48	0.43	0.42	4.30
5,124.00	1.67	217.22	5,123.29	-41.82	-22.39	47.13	0.36	-0.08	11.84
5,214.00	1.80	238.62	5,213.25	-43.60	-24.39	49.52	0.73	0.14	23.78
5,305.00	2.29	238.71	5,304.19	-45.29	-27.16	52.12	0.54	0.54	0.10
5,328.00	2.39	239.59	5,327.17	-45.77	-27.97	52.86	0.46	0.43	3.83
5,380.00	1.76	233.26	5,379.14	-46.80	-29.54	54.40	1.29	-1.21	-12.17
5,410.00	4.44	194.30	5,409.10	-48.20	-30.20	55.94	10.88	8.93	-129.87
5,439.00	9.06	189.42	5,437.89	-51.54	-30.85	59.29	16.04	15.93	-16.83
5,471.00	11.56	188.30	5,469.37	-57.20	-31.72	64.87	7.84	7.81	-3.50
5,501.00	14.38	196.17	5,498.60	-63.76	-33.20	71.51	11.07	9.40	26.23
5,531.00	16.88	198.05	5,527.49	-71.48	-35.58	79.56	8.50	8.33	6.27
5,561.00	20.00	200.55	5,555.95	-80.42	-38.74	89.04	10.73	10.40	8.33
5,591.00	24.13	202.80	5,583.75	-90.89	-42.91	100.31	14.05	13.77	7.50
5,621.00	27.69	203.80	5,610.73	-102.92	-48.10	113.41	11.96	11.87	3.33
5,652.00	30.19	204.67	5,637.85	-116.60	-54.27	128.39	8.18	8.06	2.81
5,682.00	33.19	204.30	5,663.38	-130.94	-60.79	144.13	10.02	10.00	-1.23
5,712.00	35.94	202.55	5,688.08	-146.56	-67.55	161.14	9.74	9.17	-5.83
5,743.00	38.88	201.67	5,712.70	-164.00	-74.63	179.97	9.64	9.48	-2.84
5,773.00	41.13	201.55	5,735.68	-181.93	-81.74	199.25	7.50	7.50	-0.40
5,803.00	42.31	201.67	5,758.07	-200.49	-89.09	219.22	3.94	3.93	0.40
5,833.00	42.44	201.42	5,780.23	-219.30	-96.51	239.44	0.71	0.43	-0.83
5,863.00	43.56	201.55	5,802.17	-238.34	-104.01	259.90	3.75	3.73	0.43



Survey Report



Company:

NEWFIELD EXPLORATION CO.

Project:

DUCHESNE COUNTY, UT

Site:

GMB 3-16-9-16H

Well:

GMB 3-16-9-16H

Wellbore: Design:

GMB 3-16-9-16H

GMB 3-16-9-16H

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey Calculation Method:

Database:

Well GMB 3-16-9-16H

WELL @ 5859.00ft (Original Well Elev)

WELL @ 5859.00ft (Original Well Elev)

True

Minimum Curvature

EDM 2003.21 Single User Db

(ft) (°) (ft) (ft) (ft) (ft) (°/100ft) (°/100ft)	(°/100ft)
5,893.00 45.69 201.80 5,823.52 -257.92 -111.79 280.97 7.12 7.10	0.83
5,924.00 48.38 202.92 5,844.65 -278.90 -120.43 303.65 9.07 8.68	3.61
5,953.00 51.69 204.05 5,863.27 -299.28 -129.29 325.86 11.80 11.41	3.90
5,983.00 55.13 204.30 5,881.15 -321.25 -139.15 349.92 11.49 11.47	0.83
6,010.00 57.47 205.20 5,896.13 -341.64 -148.56 372.35 9.10 8.67	3.33
	0.47
1	
6,076.00 63.46 204.75 5,928.52 -393.65 -173.01 429.71 8.40 8.20	-2.07
6,100.00 65.30 204.34 5,938.90 -413.34 -182.00 451.32 7.82 7.67	-1.71
6,130.00 67.26 203.94 5,950.97 -438.40 -193.23 478.76 6.65 6.53	-1.33
6,161.00 70.65 203.32 5,962.10 -464.90 -204.82 507.67 11.09 10.94	-2.00
6,191.00 74.77 201.33 5,971.01 -491.40 -215.69 536.30 15.12 13.73	-6.63
6,221.00 78.28 202.17 5,978.00 -518.49 -226.50 565.47 12.01 11.70	2.80
6,251.00 79.25 202.00 5,983.85 -545.75 -237.57 594.90 3.28 3.23	-0.57
	1
6,281,00 81.02 201.78 5,988.99 -573.18 -248.59 624.45 5.94 5.90	-0.73
6,311.00 82.64 201.86 5,993.25 -600.74 -259.62 654.15 5.41 5.40	0.27
6,341.00 83.82 201.25 5,996.79 -628.45 -270.57 683.94 4.42 3.93	-2.03
6,371.00 86.17 201.59 5,999.40 -656.27 -281.48 713.82 7.91 7.83	1.13
6,401.00 88.83 202.08 6,000.71 -684.09 -292.63 743.79 9.02 8.87	1.63
6,431.00 90.43 203.06 6,000.91 -711.79 -304.14 773.78 6.25 5.33	3.27
6,458.00 90.62 202.70 6,000.66 -736.66 -314.64 800.77 1.51 0.70	-1.33
6,504.00 90.25 202.55 6,000.31 -779.12 -332.33 846.77 0.87 -0.80	-0.33
6,549.00 90.19 203.20 6,000.14 -820.58 -349.83 891.76 1.45 -0.13	1.44
	2.56
6,640.00 90.93 205.04 5,998.56 -903.54 -387.18 982.64 1.84 -1.07	1.50
6,685.00 91.60 205.97 5,997.57 -944.15 -406.55 1,027.53 2.55 1.49	2.07
6,730.00 93.15 204.74 5,995.70 -984.78 -425.80 1,072.39 4.40 3.44	-2.73
6,776.00 92.78 205.39 5,993.32 -1,026.39 -445.27 1,118.25 1.62 -0.80	1.41
6,821.00 92.53 204.75 5,991.24 -1,067.10 -464.31 1,163.12 1.53 -0.56	-1.42
6,866.00 94.01 203.38 5,988.67 -1,108.12 -482.63 1,208.01 4.48 3.29	-3.04
6,912.00 92.78 202.87 5,985.95 -1,150.35 -500.67 1,253.91 2.89 -2.67	-1.11
	-0.13
· · · · · · · · · · · · · · · · · · ·	
7,002.00 90.06 201.09 5,982.80 -1,233.50 -534.93 1,343.83 6.80 -5.62	-3.82
7,048.00 90.31 201.25 5,982.65 -1,276.40 -551.54 1,389.83 0.65 0.54	0.35
7,093.00 90.18 201.73 5,982.46 -1,318.27 -568.03 1,434.83 1.11 -0.29	1.07
7,142.00 90.68 202.22 5,982.09 -1,363.71 -586.36 1,483.83 1.43 1.02	1.00
7,187.00 92.04 201.58 5,981.02 -1,405.44 -603.14 1,528.81 3.34 3.02	-1.42
7,233.00 92.10 201.15 5,979.36 -1,448.26 -619.89 1,574.78 0.94 0.13	-0.93
7,278.00 92.10 201.25 5,977.71 -1,490.18 -636.15 1,619.75 0.22 0.00	0.22
7,324.00 91.73 199.99 5,976.18 -1,533.21 ´-652.34 1,665.72 2.85 -0.80	-2.74
7,369.00 92.34 199.57 5,974.58 -1,575.53 -667.56 1,710.66 1.65 1.36	-0.93
7,414.00 92.59 198.72 5,972.64 -1,618.00 -682.30 1,755.58 1.97 0.56	-1.89
	0.17
	0.56
7,550.00 92.41 198.87 5,965.98 -1,746.53 -726.26 1,891.26 1,41 -1.36	-0.40
7,595.00 92.72 198.93 5,963.97 -1,789.06 -740.82 1,936.16 0.70 0.69	0.13
7,641.00 94.63 198.95 5,961.02 -1,832.48 -755.72 1,982.01 4.15 4.15	0.04
7,686.00 96.36 199.59 5,956.71 -1,874.76 -770.50 2,026.76 4.10 3.84	1.42
7,732.00 95.13 200.23 5,952.11 -1,917.79 -786.09 2,072.51 3.01 -2.67	1.39
7,777.00 93.09 199.87 5,948.88 -1,959.95 -801.48 2,117.38 4.60 -4.53	-0.80
7,822.00 91.11 199.12 5,947.23 -2,002.34 -816.48 2,162.31 4.70 -4.40	-1.67
7,868.00 92.53 199.68 5,945.77 -2,045.71 -831.75 2,208.25 3.32 3.09	1.22
7,913.00 92.78 199.55 5,943.69 -2,088.05 -846.84 2,253.18 0.63 0.56	-0.29
	-1.49
	1
8,004.00 92.28 198.53 5,939.29 -2,174.01 -876.37 2,343.97 1.78 -1.61	-0.76



Survey Report



Company:

NEWFIELD EXPLORATION CO.

Project:

DUCHESNE COUNTY, UT

Site: Well: GMB 3-16-9-16H GMB 3-16-9-16H

Wellbore: Design:

GMB 3-16-9-16H

GMB 3-16-9-16H

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference: Survey Calculation Method:

Database:

Well GMB 3-16-9-16H

WELL @ 5859.00ft (Original Well Elev)

WELL @ 5859.00ft (Original Well Elev)

Minimum Curvature

EDM 2003.21 Single User Db

Measured			Vertical			Vertical	Dogleg	Build	Turn
Depth (ft)	Inclination (°)	Azimuth (°)	Depth (ft)	+N/-S (ft)	+E/-W (ft)	Section (ft)	Rate (°/100ft)	Rate (°/100ft)	Rate (°/100ft)
8,049.00	93.70	198.73	5,936.94	-2,216.59	-890.73	2,388.84	3.19	3.16	0.44
8,094.00	94.01	198.50	5,933.91	-2,259.14	-905.06	2,433.68	0.86	0.69	<i>-</i> 0.51
8.140.00	91.23	197.95	5,931.81	-2,302.79	-919.43	2,479.54	6.16	-6.04	-1.20
8,185.00	93.21	197.66	5,930.07	-2,345.60	-933.18	2,524.41	4.45	4.40	-0.64
8,221.00	92.64	197.41	5,928.23	-2,379.88	-944.01	2,560.27	1.73	-1.58	-0.69
8,266.00	91.67	197.26	5,926.54	-2,422.80	-957.41	2,605.11	2.18	-2.16	-0.33
8,312.00	92.28	196.6 4	5,924.95	-2,466.78	-970.81	2,650.93	1.89	1.33	-1.35
8,357.00	93.27	196.48	5,922.77	-2,509.86	-983.62	2,695.70	2.23	2.20	-0.36
8,402.00	93.27	197.48	5,920.21	-2,552.83	-996.74	2,740.47	2.22	0.00	2.22
8,448.00	92.90	198.31	5,917.73	-2,596.54	-1,010.85	2,786.31	1.97	-0.80	1.80
8,493.00	93.17	198.47	5,915.35	-2,639.18	-1,025.03	2,831.17	0.70	0.60	0.36
8,538.00	93.02	198.57	5,912.92	-2,681.79	-1,039.30	2,876.04	0.40	-0.33	0.22
8,584.00	92.59	198.61	5,910.67	-2,725.34	-1,053.95	2,921.92	0.94	-0.93	0.09
8,629.00	91.67	198.99	5,909.00	-2,767.91	-1,068.44	2,966.83	2.21	-2.04	0.84
8,674.00	91.73	199.56	5,907.66	-2,810.36	-1,083.29	3,011.78	1.27	0.13	1.27
8,720.00	92.20	200.41	5,906.08	-2,853.57	-1,099.00	3,057.73	2.11	1.02	1.85
8.765.00	93.09	200.99	5,904.01	-2,895.62	-1,114.89	3,102.67	2.36	1.98	1.29
8,810.00	93.26	200.76	5,901.51	-2,937.60	-1,130.90	3,147.60	0.63	0.38	-0.51
8,856.00	92.78	199.69	5,899.09	-2,980.70	-1,146.78	3,193.52	2.55	-1.04	-2.33
8,901.00	93.46	200.72	5,896.64	-3,022.87	-1,162.30	3,238.44	2.74	1.51	2.29
8,946.00	91.97	201.11	5,894.51	-3,064.86	-1,178.35	3,283.39	3.42	<i>-</i> 3.31	0.87
8,991.00	92.96	202.44	5,892.57	-3,106.61	-1,195.02	3,328.34	3.68	2.20	2.96
9,037.00	93.21	202.44	5,890.10	-3,149.06	-1,212.56	3,374.27	0.54	0.54	0.00
9,082.00	93.52	202.49	5,887.46	-3,190.57	-1,229.72	3,419.19	0.70	0.69	0.11
9,128.00	93.17	202.70	5,884.77	-3,232.97	-1,247.37	3,465.10	0.89	-0.76	0.46
9,173.00	93.15	202.62	5,882.29	-3,274.43	-1,264.68	3,510.03	0.18	-0.04	-0.18
9,218.00	92.84	203.06	5,879.94	-3,315.85	-1,282.12	3,554.96	1.19	-0.69	0.98
9,264.00	92.56	202.70	5,877.77	-3,358.18	-1,299.99	3,600.89	0.99	-0.61	-0.78
9,309.00	91.54	201.93	5,876.17	-3,399.78	-1,317.06	3,645.86	2.84	-2.27	-1.71
9,354.00	91.23	201.18	5,875.08	-3,441.63	-1,333.59	3,690.85	1.80	-0.69	-1.67
9,400.00	91.11	201.16	5,874.14	-3,484.51	-1,350.20	3,736.84	0.26	-0.26	-0.04
9,445.00	90.93	200.86	5,873.34	-3,526.51	-1,366.33	3,781.83	0.78	-0.40	-0.67
9,490.00	91.23	201.29	5,872.49	-3,568.50	-1,382.51	3,826.82	1.16	0.67	0.96
9,536.00	91.17	200.94	5,871.53	-3,611.40	-1,399.07	3,872.80	0.77	-0.13	-0.76
9,609.00	93.21	200.23	5,868.74	-3,679.68	-1,424.72	3,945.73	2.96	2.79	-0.97
9,655.00	93.64	199.87	5,865.99	-3,722.82	-1,440.46	3,991.63	1.22	0.93	-0.78
9,700.00	93.77	200.37	5,863.08	-3,764.98	-1,455.91	4,036.52	1.15	0.29	1.11
9,745.00	93.02	199.89	5,860.42	-3,807.16	-1,471.37	4,081.43	1.98	-1.67	-1.07
9,791.00	92.64	199.35	5,858.14	-3,850.44	-1,486.80	4,127.34	1.43	-0.83	-1.17
9,836.00	92.47	199.41	5,856.14	-3,892.84	-1,501.71	4,172.26	0.40	-0.38	0.13
9,881.00	92.04	199.16	5,854.37	-3,935.29	-1,516.56	4,217.19	1.11	-0.96	-0.56
9,927.00	91.23	198.78	5,853.05	-3,978.77	-1,531.51	4,263.12	1.94	-1.76	-0.83
9,972.00	93.58	199.77	5,851.17	-4,021.21	-1,546.35	4,308.04	5.67	5.22	2.20
10,017.00	92.41	200.18	5,848.82	-4,063.44	-1,561.70	4,352.96	2.75	-2.60	0.91
10,063.00	92.41	200.88	5,846.88	-4,106.48	-1,577.82	4,398.91	1.52	0.00	1.52
10,108.00	92.59	201.42	5,844.92	-4,148.41	-1,594.04	4,443.87	1.26	0.40	1.20
10,153.00	92.38	201.47	5,842.97	-4,190.25	-1,610.48	4,488.82	0.48	-0.47	0.11
	- PBHL GMB 3		E 040 75	4 222 04	1 607 47	A 524 77	4.05	4.67	1.00
10,199.00 PROJ SVY	93.15	201.93	5,840.75	-4,232.94	-1,627.47	4,534.77	1.95	1.67	1.00
1 140 0 0 1	93.15	201.93	5,837.45	-4,288.52 ←		4,594.68	0.00	0.00	0.00



Survey Report



Company:

NEWFIELD EXPLORATION CO.

Project:

DUCHESNE COUNTY, UT

Site:

GMB 3-16-9-16H

Well: Wellbore: GMB 3-16-9-16H GMB 3-16-9-16H

Design:

GMB 3-16-9-16H

Local Co-ordinate Reference:

Well GMB 3-16-9-16H

TVD Reference:

WELL @ 5859.00ft (Original Well Elev)

MD Reference:

WELL @ 5859.00ft (Original Well Elev)

North Reference:

Survey Calculation Method:

Minimum Curvature

Database:

EDM 2003.21 Single User Db

Survey Annotations

Measured Depth (ft)

Vertical Depth (ft)

Local Coordinates +N/-S +E/-W

(ft)

(ft)

Comment

10,199.00 10,259.00 5,840.75 5,837.45 -4,232.94 -4,288.52 -1,627.47 -1,649.84 LAST SVY **PROJ SVY**

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Checked By:	Approved By:	Date:
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Daily Activity Report

Format For Sundry GMB 3-16-9-16H 12/1/2010 To 4/28/2011

GMB 3-16-9-16H

Waiting on Cement

Date: 2/24/2011

Ross #26 at 1025. Days Since Spud - On 2/9/11 Ross #26 spud and drilled 1025' of 12 1/4" hole, P/U and run 24 jts of 8 5/8" casing set - yield. Returned 10bbls to pit, bump plug to 400 psi, BLM and State were notified of spud via email. - @ 1024.67'KB. On 2/11/11 cement w/BJ w/500 sks of class G+2%kcl+.25#CF mixed @ 15.8ppg and 1.17

Daily Cost: \$0

Cumulative Cost: \$152,087

GMB 3-16-9-16H

Rig Repair

Date: 3/1/2011

Ross #26 at 1025. 0 Days Since Spud - RD - MR RIG 11.6 MILES - NU BOP - Change out Floor

Mtr. & Trans on for Draw works - RU

Daily Cost: \$0

Cumulative Cost: \$172,714

GMB 3-16-9-16H

Drill 7 7/8" hole with fresh water

Date: 3/2/2011

Capstar #329 at 1877. 1 Days Since Spud - PU BHA Mtr. NMDC, MWD Scrib & test - TIH - Tag cement @ 950' Drlg cement FC - FS to 1011' - Drlg new hole 1025' _ 1877', 852' @ 170.4 fph GPM 420, rpm Mtr. 138 Rot 60 = 198 Psi 2200 - NU BOP - Change out drive chain - Test BOP - RU flow line, choke lines, RU gas buster - Replace jack shaft bearings & replace boom pins & strap BHA

Daily Cost: \$0

Cumulative Cost: \$203,528

GMB 3-16-9-16H

Drill 7 7/8" hole with fresh water

Date: 3/3/2011

Capstar #329 at 4642. 2 Days Since Spud - Service Rig - Drlg. 2848' - 4642', 1794' @ 108.7 fph GPM 420, rpm Mtr. 138 Rot 60 = 198 Psi 1400 - Drlg.y 1877' - 2848', 971' @ 138.7 fph

GPM 420, rpm Mtr. 138 Rot 60 = 198 Psi 1400

Daily Cost: \$0

Cumulative Cost: \$238,775

GMB 3-16-9-16H

Drill 7 7/8" hole with mud

Date: 3/4/2011

Capstar #329 at 5420. 3 Days Since Spud - Pump high vis sweep and circ hole clean - Work BHA $\stackrel{.}{.}$ L/D Payzone MWD & MM $\stackrel{.}{.}$ MMeke up Whtrfrd Dir BHA w/ .28 rev/pg mtr set @ 2 deg, & scribe tools - Install R/H rubber - TIH - Break circ and wash to btm & set toolface $\stackrel{.}{.}$ 20' of fill - Drlg. 4642' - 5390'...(748') @ 83 fph GPM 420, rpm Mtr. 138 Rot 60 = 198 Psi 1800 - Rig Service - Drill/Build Curve 5390' - 5420' $\stackrel{.}{.}$ (30') @ 15 fph $\stackrel{.}{.}$ 420 gpm w/ 118 rpm & 1540 psi pump press - TOOH to pick up curve/build assembly

Daily Cost: \$0

Cumulative Cost: \$284,165

Drill 7 7/8" hole with mud

GMB 3-16-9-16H

Date: 3/5/2011

Capstar #329 at 5927. 4 Days Since Spud - Rot & Slide to Build Curve 5420' - 5617'¿(197') @ 19.7 fph¿420 gpm w/ 118 rpm & 1540 psi pump press - Rot & Slide to Build Curve 5617' - 5927'¿(310') @ 23 fph¿420 gpm w/ 118 rpm & 1760 psi pump press - Rig Service

Daily Cost: \$0

Cumulative Cost: \$362,202

GMB 3-16-9-16H

Drill Curve 6 1/8"

Date: 3/6/2011

Capstar #329 at 6030. 5 Days Since Spud - Pick up HEL tool¿hold safety meeting, load sources, program sources, & flow test LWD tools - Work BHA¿laydown curve bha and pick up lateral assembly scribe motor and MWD - TOOH¿check for flow / no flow - Pump high vis pill and circ hole clean - TIH¿Load racks and SLM while tripping in - Rot & Slide to Build Curve 5927' - 6039'¿(112') @ 15 fph¿420 gpm w/ 118 rpm & 1760 psi pump press

Daily Cost: \$0

Cumulative Cost: \$408,013

GMB 3-16-9-16H

Drill Curve 6 1/8"

Date: 3/7/2011

Capstar #329 at 6300. 6 Days Since Spud - Rig service¿pull 3 jts and change out swivel lock - Wash last 100' for gamma correlation log¿swap pumps multiple times for repairs - Drill (6 1/8") Curve 6039'-6114' (75') @ 10 fph w/ 284 gpm 74 rpm mm + 65=139 trpm w/ 1600 psi - Drill (6 1/8") Curve 6114'-6300' (186') @ 13 fph w/ 284 gpm 74 rpm mm + 65=139 trpm w/ 1600 psi

Daily Cost: \$0

Cumulative Cost: \$444,239

GMB 3-16-9-16H

Drill Curve 6 1/8"

Date: 3/8/2011

Capstar #329 at 6428. 7 Days Since Spud - take surveys and checkshots on 10' intervals for landing curve - Drill (6 1/8") Curve 6383'-6428' (45') @ 23 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - Pull back 1 jt and check correlation survey with LWD - Drill (6 1/8") Curve 6367'-6383' (16') @ 32 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - Repair LWD gamma ray and density,hold PJSM, & install sources and test tool - C/O motor & bit, scribe tools - Hold PJSM and pull radioactive sources from HEL tool - TOOH for LWD failure¿gamma & density failure - Pump slug, pull 10 jts, & check for flow¿no flow - Troubleshoot LWD¿gamma ray and density tool failure - Drill (6 1/8") Curve 6300'-6367' (67') @ 13.4 fph w/ 284 gpm 74 rpm mm + 65=139 trpm w/ 1600 psi - TIH...breaking circulation multiple times & wash last 60' to btm

Daily Cost: \$0

Cumulative Cost: \$518,228

GMB 3-16-9-16H

Drill Curve 6 1/8"

Date: 3/9/2011

Capstar #329 at 7164. 8 Days Since Spud - Drill 6 1/8" lateral 6844'-7164' (320') @ 24 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - ROP down from 24 fph - 8 fphċlast sample caught 70% dolomite, 30% chert - Drill (6 1/8") Curve 6428'-6431' (3') @ 30 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - Land curve: 6431' MD, 6001' TVD @ N-711.73 x E-304.14 with 773' verticle section - Circ hole clean prior to TFB - Drill 6 1/8" lateral 6431'-6844' (413') @ 48.6 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - Rig Service

Daily Cost: \$0

Cumulative Cost: \$578,342

GMB 3-16-9-16H

Drill Curve 6 1/8"

Date: 3/10/2011

Capstar #329 at 7394. 9 Days Since Spud - Pump slug, pull 10 jts, & check for flow / no flow - TOOH for bit - Pull RH rubber & hold PJSM with Weatherford - Laydown radioactive sources and LWD tools - Hold PJSM and load sources - TIH breaking circ on 2000' intervals - Break circ and wash last 90' - Drill 6 1/8" lateral 7164'-7394' (230') @ 24.2 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - C/O bit, surface test motor, & program HEL tool

Daily Cost: \$0

Cumulative Cost: \$621,682

GMB 3-16-9-16H TOOH

Date: 3/11/2011

Capstar #329 at 7660. 10 Days Since Spud - POOH - Circ./Cond hole for trip - Drill 6 1/8" lateral 7521' - 7660 (79') @ 10.5 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - Service Rig - Drill 6 1/8" lateral 7394' - 7521' (127') @ 15.8 fph w/ 284 gpm 130 rpm mm + 60=190 trpm w/ 1600 psi - PJSM W/ Weather LWD to unload sources

Daily Cost: \$0

Cumulative Cost: \$678,817

GMB 3-16-9-16H

Drill 6 1/8" hole with mud

Date: 3/12/2011

Capstar #329 at 7928. 11 Days Since Spud - Id Mtr., Bit PU new bit & Mtr. STC XR30T, - Program LWD tool - Load sources install Rot head, & test tools - TIH to 7384' - W&R F/ 7384' - 7513' - Rig Service - W&R 7513' - 7660' - Drill 6 1/8" lateral 7660' - 7928' (268') @ 22.33 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 1600 psi

Daily Cost: \$0

Cumulative Cost: \$716,915

GMB 3-16-9-16H TOOH

Date: 3/13/2011

Capstar #329 at 8272. 12 Days Since Spud - Drill 6 1/8" lateral 7928' - 8010' (82') @ 41 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 1600 psi - Service Rig - POOH - Circ.for TOOH - Drill 6 1/8" lateral 8010' - 8272' (262') @ 19.4 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 1600 psi

Daily Cost: \$0

Cumulative Cost: \$756,281

GMB 3-16-9-16H

Drill 6 1/8" hole with mud

Date: 3/14/2011

Capstar #329 at 8689. 13 Days Since Spud - Pull rotating head, pull sources, LD LWD tools - M/U new bit, scribe tools - Program hel tools - Load sources & test tools - Drill 6 1/8" lateral 8272' - 8689' (417') @ 39.71 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 1600 psi - Service Rig - Work on swivel Change out Hyd. Pumps - TIH wash 90' to for precaution - TIH

Daily Cost: \$0

Cumulative Cost: \$817,236

Date: 3/15/2011

Capstar #329 at 9626. 14 Days Since Spud - Drill 6 1/8" lateral 8689' - 9218' (529') @ 81.38 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 1600 psi - Service Rig - POOH - Circ./Cond hole for trip - Drill 6 1/8" lateral 9218 - 9696' (478') @ 35.4 fph w/ 284 gpm 130 rpm mm +

60=190 trpm 1600 psi

Daily Cost: \$0

Cumulative Cost: \$868,866

GMB 3-16-9-16H

Drill 6 1/8" hole with mud

Date: 3/16/2011

Capstar #329 at 10043. 15 Days Since Spud - Pull sources, LD LWD, Mtr. & Bit - MU new Bit, Mtr. & New Hel tool - Program Hel tool - Drill 6 1/8" lateral 9626' - 10043' (417') @ 46.3 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 1600 psi - TIH, - W&R F/ 8721' - 9626' large amount of cutting over shaker fine to 3" cutting - Install Rot. Head

Daily Cost: \$0

Cumulative Cost: \$913,730

GMB 3-16-9-16H

Drill 6 1/8" hole with mud

Date: 3/17/2011

Capstar #329 at 10259. 16 Days Since Spud - Drill 6 1/8" lateral 10043' - 10259' (216') @ 39.2 fph w/ 284 gpm 130 rpm mm + 60=190 trpm 2900 psi - TD Well 10259' @ 11:30 3 -16 -11 - Service Rig - Rig repair Mtr. & Right drive - POOH to KOP - TIH Tag up 6000' pulled tight - POOH to LD Dirc. Tools - Adjust brakes - Circ./ Cond. Hole raise MW to 9.8

Daily Cost: \$0

Cumulative Cost: \$977,816

GMB 3-16-9-16H

Drill 6 1/8" hole with mud

Date: 3/18/2011

Capstar #329 at 10259. 17 Days Since Spud - LD LWD tools - TIH to MD 5,012 to make wiper run. - TIH (5,700ft at 6AM) to make wiper run. Lots of lots cuttings still coming across shaker. - Reaming. Lots of large cuttings still coming across shaker. - TOOH to 1,000ft for rig repairs. Replace oil pump on transmission. - CCR/COND. Lots of large cuttings still coming across shaker.

Daily Cost: \$0

Cumulative Cost: \$1,020,114

GMB 3-16-9-16H

Circulate & Condition Hole

Date: 3/19/2011

Capstar #329 at 10287. 18 Days Since Spud - Reaming from 5,737' to 10,127'. Cuttings got smaller in size and the volume decreased as day went on - Mud Pump 2 went down. Trying to get it back up. Started running pump 1 instead. - TOOH/pump out and rotate. Depth of 6,200' at 6am. - Circ & work pipe. - Reaming from 10,217' to TD at 10,260'.

Daily Cost: \$0

Cumulative Cost: \$1,040,233

GMB 3-16-9-16H

Logging

Date: 3/20/2011

Capstar #329 at 10287. 19 Days Since Spud - Pump out of hole to 5283' - Circ./Cond. Mud Circ. Large amount of cutting out hole cleand up - TIH to bottom - TIH W/ Logs - POOH for Logs - Slip & cut Drlg. Line start new spool of drl. Line - SM with Weatherford Logers RU Loggers & test tools - Circ. BU

Daily Cost: \$0

Cumulative Cost: \$1,059,169

GMB 3-16-9-16H Logging

Date: 3/21/2011

Capstar #329 at 10259. 20 Days Since Spud - TIH W/ Shuttel Logs - Run logs & LD tools -

Circ. BU - Set shuttel log tools

Daily Cost: \$0

Cumulative Cost: \$1,107,190

GMB 3-16-9-16H Running casing

Date: 3/22/2011

Capstar #329 at 10287. 21 Days Since Spud - LD logging tools shuttle log. - RU for wireline logs. - Finish running packers plus system and 5.5 csg. - start running packers plus system. - TOOH to remove wear bushing in csg head. - Run wireline logs.

Daily Cost: \$0

Cumulative Cost: \$1,200,827

GMB 3-16-9-16H Rigging down

Date: 3/23/2011

Capstar #329 at 10259. 22 Days Since Spud - Run casing - RD - ND BOP, Clean Pits (RR @

22:00 3-22-11) - Displace lateral with 2% kcl & set packers Finalized

Daily Cost: \$0

Cumulative Cost: \$1,571,867

Pertinent Files: Go to File List

GMB 3-16-9-16H Wellbore Diagram NEWFIELD Wellhead ROCKY MOUNTAINS Surface Location: NE/NW, Sec 16, T9S R16E County/State: Greater Monument Butte, Duchesne County, Utah Elevation: 5847' GL + 12' KB API: 43-013-50441 Casing Detail Size Grade Conn Collapse TOC 8-5/8" Casing Shoe Surface 8-5/8' Surface 1,025 Production M-80 Port Collar: Production 4-1/2" 11.6# P-110 10,249 7.774 8.510 4.000 3.875 0.0155 6-1/8" 5,654'md to TVD 6,011 burst & collapse values are book, no additional safety factors have been applied Surface Wt. Grade Conn. Length Top Bottom TBG DETAIL: sand drain valve, 3 jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub, 1 jt 2 7/8" tbg., SN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 187 jts 2 7/8" tbg and tbg hanger. TA @5,870'. SN @ 5,903'. EOT @ 6,052' NOTE on Tubing Anchor: TA (shortened inner springs & beveled outer springs-4.625" OD) WELLBORE FLUIDS Rod Detail Size Grade Count Length Bottom Lateral section fluid= +-8.4 ppg "clean" brine Pump and Rod Detail: Weatherford MacGyver 1 3/4" x 28' rod pump, stabalizer sub, on/off tool, stabalizer sub, SE 4 Co-rod, 1- 8', 6', 4', 2' x 7/8" pony rods, 1 1/2" x 26' polished rod NOTE on Pump: with CoRod, must have Clutch (on/off tool) installed. Proposed Frac Packers Plus 12 Stage StackFrac HD Stimulation Liner Prop Vol Data Total Clean Vo Top **Bottom** Prop type/ size (lbs) **Toe Section** Packers Plus 4-1/2" Toe Circulating Sub w/1.000" Seat for 1.250" SF2 High Pressure Ball (Actuated at 1,098 psi). And Open Hole TD 10,249 10,249 Dual Hydraulic Ball OD (in.) Seat ID (in.) Vol. to Seat (bbl Ball Action (AP) Stage 1 10.087 10 249 10.160 1,903 OH Anchor/Packe 10,080 10.087 Packer Plus 7" x 4-1/2" RockSeal IIS 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi hanical Packer 1 10,002 10,007 Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi) 100 mesh sand 34,144 2,342 Ball OD (in.) Actual Vol. (bbl) Stage 2 9,682 10,002 FracPort 2: Seat ID (in.) Vol. to Seat (bbl Ball Action (AP 30/50 mesh sand 30,760 9.841 0.00 9,682 acker Plus 7" x 4-1/2" RockSeal I draulic Set Open Hole Packer (Actuated at 2,268ps Ball OD (in.) Seat ID (in.) Stage 3 9,914 9,677 Vol. to Seat (bbl Actual Vol. (bbl) Difference (bbl) Ball Action (AP 18,835 FracPort 3: 9,517 0.00 9,354 9,359 anical Packer 3 0 0 0 Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268ps 100 mesh sand 7,548 2,716 WFD port Collar Ball OD (in.) Stage 4 Depth Seat ID (in.) Vol. to Seat (bbl Actual Vol. (bbl) Ball Action (AP 9.035 9,354 FracPort 4: 9,193 189.36 0.00 5,355 9.030 9.035 acker Plus 7" x 4-1/2 mical Packer 4 RockSeal fraulic Set Open Hole Packer (Act ated at 2,268ps 100 mesh sand Seat ID (in.) 2.375 Stage 5 8,710 9,030 Depth Ball OD (in.) Vol. to Seat (bbl 30/50 mesh sand 36,211 FracPort 5: KOP 8,710 8,705 nanical Packer 5 Packer Plus 7" x 4-1/2" RockSeal II 100 mesh sand 5,400 Ball OD (in.) Seat ID (in.) Vol. to Seat (bb Actual Vol. (bbl) Ball Action (ΔP) Stage 6 8,386 8,705 FracPort 6: 8,544 2.500 179.32 0.00 OH Anchor/Packer 8.381 8,386 nical Packer 6 RockSeal ted at 2,268psi) Vol. to Seat (bbl 2.784 Seat ID (in.) Actual Vol. (bbl) Ball Action (AP) Stage 7 8.066 8,381 FracPort 7: OH Anchor/Packer 8,061 8.066 Hydraulic Set Open Hole Packer (Actuated at 2,268psi) anical Packer 7 Packer Plus 7" x 4-1/2" RockSeal II 10K 100 mesh sand 3,706 Depth 7,901 Stage 8 7,743 8,061 Ball OD (in.) Seat ID (in.) Vol. to Seat (bb 30/50 mesh sand FracPort 8: 2.875 2.750 169.37 7,743 anical Packer 8 7,738 acker Plus 7" x 4-1/2 RockSeall ole Packer (A uated at 2,268psi 2,777 100 mesh sand Ball OD (in.) Seat ID (in.) Vol. to Seat (bbl Stage 9 7.418 7.738 30/50 mesh sand FracPort 9: 3.000 2.875 164.35 7,413 Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi) hanical Packer 9 100 mesh sand 25.505 1,869 Seat ID (in.) 3.000 Ball OD (in.) Vol. to Seat (bb Stage 10 6.768 7.413 FracPort 10: 30/50 mesh sand 159.32 7.088 anical Packer 10 ockSeal ted at 2,268psi 100 mesh sand 2,804 Depth 6,927 Seat ID (in.) 3.125 Stage 11 6.768 7,088 Ball OD (in.) 30/50 mesh sand 36,949 FracPort 11: 3.250 169.37 6,763 6,768 hanical Packer 11 Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi) 100 mesh sand 31,284 2,755 Ball OD (in.) Seat ID (in.) Stage 12 6,763 Actual Vol. (bbl) 6,445 FracPort 11: 3.375 3.250 154.29 Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi) chanical Packer 12 6,438 5,451 Total Fluid Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)
Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi) OH Anchor/Packer 34,456 Rockseal II Packer 5.372 5.377 (bbl) Lat Length 335,921 Sand Total 100 mesh sand Total Stim. Lateral 3.804 580 309 30/50 mesh sand 244,388 Avg. Stage Length 317 *between packers # sand per foot of lateral 153 5.5"x4.5X xo 5,993 12 11 10 9 7 5 MD TD 10.259

TVD TD 6,011

	STATE OF UTAH		FORM 9
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MIN		5.LEASE DESIGNATION AND SERIAL NUMBER: ML-16532
SUNDF	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
	oposals to drill new wells, significantly or reenter plugged wells, or to drill horizor n for such proposals.		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GREATER MON BUTTE 3-16-9-16H
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY		9. API NUMBER: 43013504410000
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-4825	PHONE NUMBER: Ext	9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0984 FNL 1885 FWL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNS	HIP, RANGE, MERIDIAN: 16 Township: 09.0S Range: 16.0E Merid	ian: S	STATE: UTAH
11. CHEC	K APPROPRIATE BOXES TO INDICAT	E NATURE OF NOTICE, REPOR	RT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	ACIDIZE	ALTER CASING	CASING REPAIR
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME
	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
2/6/2015	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION
Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL
DRILLING REPORT Report Date:	WATER SHUTOFF	SI TA STATUS EXTENSION	APD EXTENSION
Report Bate.		/	
	WILDCAT WELL DETERMINATION	▼ OTHER	OTHER: Wellbore Clean-out
During a routine wo that the sliding completing the	completed operations. Clearly show a rkover project on the above sleeve ball seats had not be well, which may have inhibite ed out and returned to produ 12:00 hours.	well, it was determined en drilled out while ed optimal flow. The	Accepted by the Utah Division of Oil, Gas and Mining
NAME (PLEASE PRINT) Jennifer Peatross	PHONE NUMBE 435 646-4885	Froduction Technician	
SIGNATURE N/A		DATE 4/7/2015	

NEV	VFIELD
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Daily Activity Summary GMBU 3-16-9-16H

Well Details												
API/UWI		Well RC	00	Surface Legal			County	State/Province		rision	Field Office	
43013504410 Total Depth (All) (ft		50029098	All (TVD) (ftKB)	16-9S-16E		Spud Date	DUCHESNE Final Rig Release Date	Utah		ocky Mountain ial Completion - End Date	Myton On Production Date	
Original Hole	,	Total Deptil 7	(II (I VD) (II(CD)	FBID (All) (III	(В)	2/9/2011	3/22/2011	3/25/2		4/20/2011	4/14/2011	
Job Category				Primary Job T	уре		Secondary Job Type	I		Status	·	
Production / V	Vorkover			Clean-out			N/A			mpleted		
AFE Number 44947		1	otal AFE Amount (Co	,	Total F	ield Estimate (Cost) 154,416.75	Total Final Invoice (Cost)	Job Sta	art Date 1/29/201	Job End [Date	
Contractor				170,	000.00	Rig Number		Rig Type	1/25/20	10		
WWS						#9		Workover				
Daily Operati												
Report Number	Report	Start Date	29/2015 06:00		Report End Date	1/30/2015 00:00	Time Log Total Hours (hr) 18.00	Daily Field Est Total (Cost)		Cum Field Est To D	ate (Cost) 7,742	
24hr Activity Sumn	narv	17	29/2013 00.00			1/30/2013 00:00	10.00			1,142	1,142	
POOH W/ TB		t, Test										
Time Log												
Start Time 06:00	Duration (hr)	End Time	Activity Descr		Comm							
Start Time	1.00 Duration (hr)	End Time	00 Crew Trav		Crew	Travel & Safety MTG						
07:00	3.00					out & move from DRLG Yard	to Greater MON Butte	3-16, MIRU Same, N	ND Wellhead, U	Inset 5 1/2" B-2 TAC, S	Strip on 5K BOPS, RU	
					Floor	& TBG Works					•	
Start Time	Duration (hr)	End Time	Activity Descr		Comm		L TDO W// 05 DDI O LIO	0. 00NT TOOLINK	W. 445 ITO 0 5	7/701 TDO 1 D 5 4/01 D	OTAO DON December	
10:00	3.25	5 13:1	5 Pull Tubin	ıg - Rack Ba	ick 100	H W/ 40 JTS 2 7/8" TBG, Flus	N TBG W/ 25 BBLS H2	U, CONT TOOH W/	W/ 145 J15 Z /	///8" IBG, LD 5 1/2" B	-2 TAC, PSN, Desander	
Start Time	Duration (hr)	End Time	Activity Descr	ription	Comm							
13:15	2.75				RD F	loor & TBG Works, ND 5K BO	PS, NU Drill out stack.	5K Blind ram, DBL p	pipes 2 3/8", 5k	annular, Washington H	lead	
Start Time	Duration (hr)	End Time	Activity Descr		Comm							
16:00	2.50		Activity Descr	Test BOP's		Test Stack RBS tester Comment						
Start Time 18:30	Duration (hr) 1.00	End Time 19:3				Travel						
Start Time	Duration (hr)	End Time	Activity Descr		Comm							
19:30	4.50	00:0	00 Shut Dow	n for Night	SWII	-N						
Daily Operati Report Number		Start Date			Report End Date		Time Log Total Hours (hr)	Daily Field Est Total (Cost)		Cum Field Est To D	ata (Cast)	
Report Number	2 Report		/2/2015 00:00		Report End Date	2/3/2015 00:00	24.00	Dally Fleid Est Total (Cost)		13,490	21,231	
24hr Activity Sumn							<u> </u>			·	,	
	bg. RU foam	unit. PU	tbg & tag fill. bre	eak circulati	on							
Time Log Start Time	Duration (hr)	End Time	A ath it. Dagg	du ši a u	Comm							
00:00	6.00	06:0		n for Night	SDFI	١						
Start Time 06:00	Duration (hr) 1.00	End Time 07:0		/el	Comm	travel						
Start Time 07:00	Duration (hr) 3.00	End Time	Activity Descr	ription Operations	Comm	ent og equipment. Run pump lines	Talley & prep 2.3/8"	DH 6 D 110 drill out	etring			
Start Time	Duration (hr)	End Time	Activity Descr		Comm	<u> </u>	s. Talley & prep 2-3/6	FTI-0 F-110 driii out	Sung.			
10:00	5.00	1		Run Tubing - Picking Up MU BHA & TIH w/ RBS 3.792			4 blade metal muncher mill, 3.792" string mill, 1-jt 2-3/8" P110 5.95# PH-6 tbg, 2-3/8" RN nipple w/ 1.71" 5.95# PH-6 tbg, R nipple w/ 1.71" profile					
Start Time 15:00	Duration (hr)	End Time		Activity Description Comment					circulation. Circulate oil			
Start Time	Duration (hr)	End Time	Activity Descr	rintion	out o	f wellbore until clean.			· 			
19:00	0.50	19:3	General C	perations	Once	it had been established that v	ve could successfully c	rculate well, install w	washington head	d drilling rubber.		
Start Time 19:30	Duration (hr) 1.00	End Time 20:3	Activity Descr Run Tubir	ription ng - Picking	Up Comm	ent nue PU PH-6 workstring and t	ag fill @ 6554' on jt #21	2.				
Start Time 20:30	Duration (hr) 2.00	End Time 22:3	Activity Descr General C	•	Comm RU E	ent asic energy power swivel. To	ok longer rigging up PS	with using duel stiff	f arms for more	control of unit.		
	ı	•	l .					<u> </u>				

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Report Printed: 4/7/2015

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Daily Activity Summary GMBU 3-16-9-16H

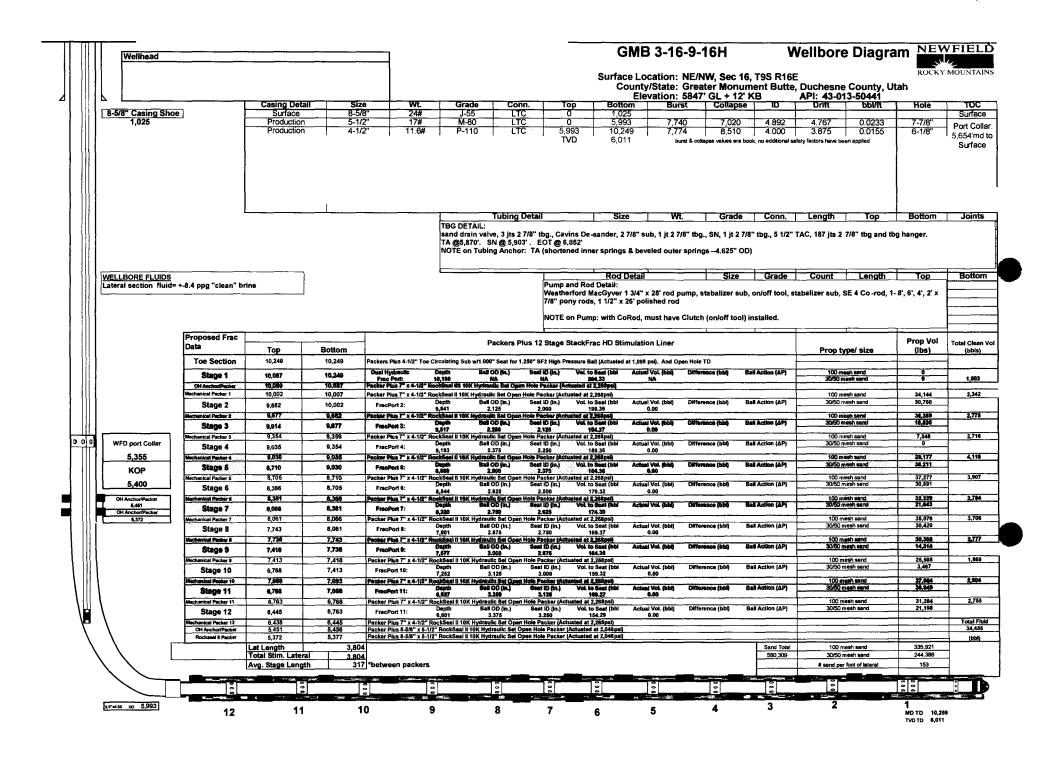
				CMDC 0-10-5-1011	
Time Log					
Start Time	Duration (hr)	End Time	Activity Description	Comment	
22:30	1.50 tion: 2/3/2015	00:00	Circulate	Use Weatherford foam unit to break circulation	
Report Number	Report S	itart Date		Report End Date Time Log Total Hours (hr) Daily Field Est Total (Cost) Cum Field Est To Date (Cost)	
	3		15 00:00	2/4/2015 00:00 24.00 18,950	40,181
24hr Activity Sumi	•				
	ng sleeve ball se	eats			
Time Log Start Time	Duration (hr)	End Time	Activity Description	Comment	
00:00	3.00		Drill Out	Clean out fill 55' and tag stage 12 sliding sleeve ball seat @ 6109'. Drill out sleeve 32 min drill time, pump sweep	
Start Time		End Time	Activity Description	Comment	
03:00 Start Time	2.50 Duration (hr)	05:30 End Time	Clean Out Activity Description	Swivel in 2 JNTS, tagging fill @ 6669, clean out fill dwn to second sleeve @ 6934	
05:30	1.25		Drill Out	Break circulation 1 hour, Drill out sliding sleeve @ 6934 12 min drill time	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
06:45 Start Time	1.25 Duration (hr)	08:00 End Time	Clean Out Activity Description	Swivel dwn 11 JNTS to third sleeve @ 7259 (no fill)	
08:00	1.25		Drill Out	Catch circulation 1 hour, drill out third sleeve 12min drill time, pump sweep	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
09:15 Start Time	1.25	10:30 End Time	Clean Out Activity Description	Swivel in 11 JNTS to fourth plug @ 7339 (no fill)	
10:30	Duration (hr) 1.25		Drill Out	Catch circulation 40 min, drill out sleeve 32 min drill time. follow w/ sweep	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
11:45	1.00		Clean Out Activity Description	Swivel in 11 jnts tagging fifth sleeve @ 7908 (no fill)	
Start Time 12:45	Duration (hr) 0.75	End Time 13:30	Drill Out	Mill out ball seat in 15 min, pump polymer sweep.	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
13:30	2.00 Duration (hr)	15:30 End Time	Clean Out	Cont swivel tbg in hit sand bridge @ 8164' fell through 8184' cont swivel in to sleeve #6 @ 8227'	
Start Time 15:30	1.00		Activity Description Drill Out	Mill out sleeve #6 @ 8227' in 5 min. Pump 10 bbl polymer sweep	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
16:30	1.00		Clean Out	Continue swivel tbg in hole & tag sleeve #7 w/ jt#277 @ 8551'.	
Start Time 17:30	Duration (hr) 1.50	End Time 19:00	Activity Description Drill Out	Comment Break circulation with foam unit. Drill out sleeve #7 in 5 min. Pump 10 bbl polymer sweep.	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
19:00	1.00		Clean Out	Cont swivel pipe in tag sleeve #8 w/ jt 288 @ 8876'	
Start Time 20:00	Duration (hr) 1.00	End Time 21:00	Activity Description Drill Out	Comment Break circulation w/ foam unit in 45 min. Mill out sleeve in 7 mins pump 10 bbl sweep	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
21:00	1.00		Clean Out	Continue swivel tbg in & tag sleeve #9 w/ jt 299 @ 9200'.	
Start Time 22:00	Duration (hr) 1.00	End Time 23:00	Activity Description Drill Out	Comment Break circulation in 40 min w/ foam unit. Drill out sleeve #9 in 8 min. Pump 10 bbl polymer sweep.	
Start Time	Duration (hr)	End Time	Activity Description	Comment	
23:00	1.00	00:00	Clean Out	Continue swivel in tbg & tag sleeve #10 @ 9524' on jt #309.	
, ,	tion: 2/4/2015	= .			
Report Number	Report S		15 00:00	Report End Date Time Log Total Hours (hr) Daily Field Est Total (Cost) Cum Field Est To Date (Cost) 2/5/2015 00:00 24.00 20,267	60,449
24hr Activity Sum					
	ig sieeves. LD	work string.	TIH w/ production tbg.		
Time Log Start Time	Duration (hr)	End Time	Activity Description	Comment	
00:00	1.75	01:45	Drill Out	Get Circulation 50 min, Drill out 10th sleeve @9524 17 min, roll 10 bbl sweep	
Start Time 01:45	Duration (hr) 0.75	End Time 02:30	Activity Description Clean Out	Comment Swivel in 11 JNTS tagging final sleeve @ 9849 (no fill)	
Start Time	Duration (hr)	End Time	Activity Description Drill Out	Comment Get circulation 70 min, drill out sleeve 10 min, send 10 bbl sweep	
02:30	1.50	04:00	Dilli Out	Get Groundtoff 70 fillin, drill out sieeve 10 fillin, send 10 bbl sweep	
					!
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Daily Activity Summary GMBU 3-16-9-16H

Time Log								
Start Time	Duration (hr)	End Time	Activity Description	Comment				
04:00	0.75	04:45	Clean Out	Swivel in 9 jnts tagging up @ 10,105				
Start Time 04:45	Duration (hr) 1.50	End Time 06:15	Activity Description Drill Out	omment Get circulation, drill for 30 min making no hole, drilling on something hard				
Start Time 06:15	Duration (hr) 2.00	End Time 08:15	Activity Description Circulate	Comment Roll hole 2 btms up, running 2 10 bbl sweeps				
Start Time 08:15	Duration (hr) 2.75	End Time 11:00	Activity Description Pull Tubing - Lay Down	Comment LD 2 3/8" TBG 157 total JNTS on ground EOT @ 5982				
Start Time 11:00	Duration (hr)	End Time 12:00	Activity Description Circulate	Comment Roll Hole 10 bbl sweep				
Start Time	Duration (hr)	End Time	Activity Description	Comment				
12:00 Start Time	4.25 Duration (hr)	16:15 End Time	Pull Tubing - Lay Down Activity Description	Continue TOOH w/ tbg, LD on pipe racks. LD BHA.				
16:15	1.00	17:15	Install BOP's	Change out both sets of pipe rams, removed 2-3/8" ram blocks and replace w/ 2-7/8" ram blocks.				
Start Time 17:15	Duration (hr) 1.25		Activity Description Pressure Test BOP's	Comment Install wellhead hanger and 2-7/8" test mandrel. Pressure test both sets of pipe rams w/ low test of 250-300 psi for 5 min & high test of 5000 psi for 10 min.				
Start Time 18:30	Duration (hr) 2.00	End Time 20:30	Activity Description Run Tubing - Out of Derrick	Comment MU BHA & TIH w/ production tbg as follows: Purge valve, 3- jts 2 7/8" J-55 6.5# 8rd EUE tbg, Desander, 4' 2 7/8" J-55 6.5# 8rd EUE tbg sub, 1 jt 2 7/8" J-55 6.5# 8rd EUE tbg, SN, 1 jt 2 7/8" J-55 6.5# 8rd EUE tbg, TA & 185 jts 2 7/8" J-55 6.5# 8rd EUE tbg				
Start Time 20:30	Duration (hr) 1.00	End Time 21:30	Activity Description Remove BOP's	Comment RD rig floor. ND BOPs.				
Start Time	Duration (hr)	End Time	Activity Description	Comment				
21:30	0.50	22:00	Install Wellhead	NU wellhead				
Start Time 22:00	Duration (hr) 2.00	End Time 00:00	Activity Description General Operations	Comment RD pump & pump lines. Clean up location				
		00.00	General Operations	RD pump α pump intes. Greati up tocation				
Daily Operation: 2/5/2015 Report Number Report Start Date Report End Date Time Log Total Hours (hr) Daily Field Est Total (Cost) Cum Field Est To Date (Cost)								
		tart Date	IReport	End Date Time Log Total Hours (hr) Daily Field Est Total (Cost) Tourn Field Est To Date (Cost) I				
Troport rumbo.	5		15 00:00	2/6/2015 00:00 Time Log Total Hours (hr) Daily Field Est Total (Cost) Cum Field Est To Date (Cost) 154,417				
24hr Activity Sum	5 mary			Time Log Total Hours (hr) Daily Field Est Total (Cost) Cum Field Est To Date (Cost) 154,417				
24hr Activity Sum Drift Tbg, RD	5 mary			Time Log Total Hours (hr) Daily Field Est Total (Cost) Cum Field Est To Date (Cost) 154,417				
24hr Activity Sum Drift Tbg, RD Time Log	5 mary Workover	2/5/20	15 00:00	2/6/2015 00:00 28.00 93,968 154,417				
24hr Activity Sum Drift Tbg, RD	5 mary			Cum Field Est To Date (Cost) Daily Field Est Total (Cost) 93,968 Cum Field Est To Date (Cost) 154,417				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time	Duration (hr) Duration (hr) Duration (hr)	2/5/20 End Time 06:00 End Time	Activity Description Shut Down for Night Activity Description	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 06:00 Start Time	Duration (hr) Duration (hr) 6.00 Duration (hr) 1.00 Duration (hr)	2/5/20 End Time 06:00 End Time 07:00 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 06:00 Start Time 07:00	Duration (hr) Duration (hr) 1.00 Duration (hr) 1.00	2/5/20 End Time 06:00 End Time 07:00 End Time 08:00	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment Wait on TBG Drift				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 06:00 Start Time	Duration (hr) Duration (hr) 6.00 Duration (hr) 1.00 Duration (hr)	2/5/20 End Time 06:00 End Time 07:00 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 08:00 Start Time	Duration (hr) 6.00 Duration (hr) 1.00 Duration (hr) 1.00 Duration (hr) 1.25 Duration (hr)	2/5/20 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description Activity Description General Operations Activity Description	2/6/2015 00:00 28.00 93,968 154,417				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 08:00 Start Time	Duration (hr) 6.00 Duration (hr) 1.00 Duration (hr) 1.00 Duration (hr) 1.25 Duration (hr) 1.00	2/5/20 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description General Operations	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment Wait on TBG Drift on sandline, Stack out @ 5300 Comment Wait on Hot Oiler Comment Comme				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 08:00 Start Time 09:15 Start Time 10:15	Duration (hr)	2/5/20 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description Hot Oil Well	2/6/2015 00:00 28.00 93,968 154,417				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 09:15 Start Time 10:15 Start Time 10:15	Duration (hr)	2/5/20 End Time 06:00 End Time 07:00 End Time 09:15 End Time 10:15 End Time 11:45 End Time 13:30	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description Hot Oil Well Activity Description Hot Oil Well	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment Wait on TBG Drift Comment RIH W/ TBG Drift on sandline, Stack out @ 5300 Comment Wait on Hot Oiler Comment Flush TBG W/ 40 BBLS H2O, RIH W/ Drift Tag @ 5300', Beat down to 5340', Quit making hole Comment Flush TBG W/ 60 BBLS H2O & 5 GAL of parrafin solvent, RIH W/ Drift, Hit in same spot, POOH & LD Drift, RIH W/ Sinker bars & Swab mandrel to PSN @				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 09:15 Start Time 10:15 Start Time	Duration (hr)	2/5/20 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description Hot Oil Well Activity Description	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment Wait on TBG Drift Comment RIH W/ TBG Drift on sandline, Stack out @ 5300 Comment Wait on Hot Oiler Comment Flush TBG W/ 40 BBLS H2O, RIH W/ Drift Tag @ 5300', Beat down to 5340', Quit making hole Comment Flush TBG W/ 60 BBLS H2O & 5 GAL of parrafin solvent, RIH W/ Drift, Hit in same spot, POOH & LD Drift, RIH W/ Sinker bars & Swab				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 09:15 Start Time 10:15 Start Time 11:45 Start Time 13:30 Start Time	Duration (hr)	2/5/20 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description Hot Oil Well Activity Description Rig Up/Down Activity Description	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Wait on TBG Drift Comment RIH W/ TBG Drift on sandline, Stack out @ 5300 Comment Wait on Hot Oiler Comment Flush TBG W/ 40 BBLS H2O, RIH W/ Drift Tag @ 5300', Beat down to 5340', Quit making hole Comment Flush TBG W/ 60 BBLS H2O & 5 GAL of parrafin solvent, RIH W/ Drift, Hit in same spot, POOH & LD Drift, RIH W/ Sinker bars & Swab mandrel to PSN @ Comment RDMO Comment RDMO Comment				
24hr Activity Sum Drift Tbg, RD Time Log Start Time 00:00 Start Time 07:00 Start Time 08:00 Start Time 09:15 Start Time 10:15 Start Time 11:45 Start Time 13:30	Duration (hr)	2/5/20 End Time	Activity Description Shut Down for Night Activity Description Crew Travel Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description General Operations Activity Description Hot Oil Well Activity Description Hot Oil Well Activity Description Hot Oil Well Activity Description Rig Up/Down	2/6/2015 00:00 28.00 93,968 154,417 Comment SWIFN Comment Crew Travel Comment Wait on TBG Drift Comment RIH W/ TBG Drift on sandline, Stack out @ 5300 Comment Wait on Hot Oiler Comment Flush TBG W/ 40 BBLS H2O, RIH W/ Drift Tag @ 5300', Beat down to 5340', Quit making hole Comment Flush TBG W/ 60 BBLS H2O & 5 GAL of parrafin solvent, RIH W/ Drift, Hit in same spot, POOH & LD Drift, RIH W/ Sinker bars & Swab mandrel to PSN @ Comment RDMO				

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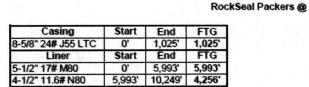


Company: Newfield Exploration Well #: GMB 3-16-9-16H

Liner Length: 10,249' Liner: 5-1/2" 17# / 4-1/2" 11.6# M/N80 LTC Top Packer: 9-5/8" x 5-1/2" RockSeal II / IIS

Set @ 5,372'





ANCH	10,080	PKR 8	7,738
PKR 1	10,002	PKR 9	7,413
PKR 2	9,677	PKR 10	7,088'
PKR 3	9,354'	PKR 11	6,763
PKR 4	9,030'	PKR 12	6,438
PKR 5	8,705		100
PKR 6	8,381	ANCH	5,451'
PKR 7	8,061'	PKR 13	5,372

Marker Joint	4,743
KOP@ 5,400'	
Port Collar	5,355'

Top Packer @ 5,372'

5-1/2"x4-1/2" Crossover @

FracPorts @	DEH	10,160	2.625	8,220'
	2.000	9,841'	2.750	7,901'
	2.125	9,517	2.875	7,577
	2.250	9,193	3.000	7,252
	2.375	8,869'	3.125	6,927
	2.500	8 544'	3.250	6.601

Inte	erval Spa	acing
STG 1	179'	Toe
STG 2	324'	
STG 3	324'	
STG 4	324'	
STG 5	325'	
STG 6	324'	
STG 7	320'	
STG 8	322	
STG 9	325	
STG 10	325	
STG 11	326'	
STG 12	325'	EOB
AVG	324'	

EOB @ 6,039'

In Zone @ 6,400'

TD@ 10,259'

GS @ 10,249'